

**LEGAL AND POLITICAL ASPECTS
OF
SATELLITE TELECOMMUNICATION**

an annotated bibliography



EDSAT Center
1225 West Dayton Street
Madison, Wisconsin 53706

LEGAL AND POLITICAL ASPECTS OF SATELLITE TELECOMMUNICATION
AN ANNOTATED BIBLIOGRAPHY

**Compiled
by
Katherine Shervis
EDSAT Librarian**

**Abstracted
by**
Herb Berkowitz Jeff Kuehl
Larry Chambers Craig Mills
Floyd Keene Dianne Weber

**Abstracts Edited
by
Linda Mangum**

**Computer Programming
by
Richard Wolfe and Roger Voytecki**

Under the Guidance of Professor Delbert D. Smith

**EDSAT Center
The University of Wisconsin
Madison, Wisconsin**

June 1971

LEGAL AND POLITICAL ASPECTS OF SATELLITE TELECOMMUNICATION

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Katherine Sparks
EDSAT Librarian

Annotated
by

Jeff Kuhl
Craig Miller
Clara Weber
Fred Bantow
Larry Gans
Floyd Krentz

Computer Programming
by
Richard Wolf and Roger Veitch

Abstract Editor
by
Lisa Morgan

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The EDSAT Center
Space Science and Engineering Center
1225 West Dayton Street
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PREFACE

The potentiality for the use of satellites for telecommunication is enormous, and the technical barriers to the achievement of this end are rapidly disappearing. However, it is entirely possible that political and legal barriers rather than technological considerations will ultimately shape the utilization of satellite systems. Even though the medium is not considered by the majority of scholars in the field of communications to be the message, it is becoming increasingly clear that the medium has a significant number of specialized problems that must be dealt with if the communication satellite is to be used to its full potential.

One unique facet of the field of communication satellite law and politics is that it is a field that has just begun to take on international importance. Ten years ago when a student considered writing a dissertation on space law, the chances were that a significant segment of his faculty thought his topic a bit remote from reality and of no immediate social concern. Today this position has been reversed and a goodly number of scholarly works are appearing, dealing with the implications of communication satellite technology. Because of the varied nature and quality of these articles, the forums in which they appear are extremely diverse and the task of searching out the sources becomes a difficult one. Thus one of the benefits to be gained from this annotated bibliography and future bibliographies is that they will have performed this basic research task so that the serious scholar may be apprised of the "state-of-the-art" and will be able to create more original works without duplicating existing topics and approaches.

Since communication satellite technology changes rapidly, it will be necessary for the scholar to be constantly aware of changes in the field if he is to make an original contribution to the literature. This bibliography will enable him to ascertain more rapidly the degree to which research has been done in his area.

In addition, there is a need for a bibliography which can be used by lawyers, political scientists, and technicians and engineers as well. Too often in this field there is no dialogue between the "hardware" people and the "software" people. It is a learning experience for the lawyer to be made aware of the technical limitations of the subject that he is writing about, and it is also of benefit for the scientist to be aware of the ramifications of the technology that he has created. Each will derive a new social awareness by being exposed to the diverse articles and books included in this work.

Over and above the value to the scholastic researcher, there is value to the educator in this work. It is sometimes suggested that an annotated bibliography is more valuable in the classroom experience than a textbook which presents only a limited set of ideas rewritten for student consumption. The use of a bibliography as a teaching tool can encourage the student to develop the talents necessary for library research and will enable him to use more fully the original material in the context in which the author prepared it.

Substantively, the subject matter of this bibliography is most significant. The use of communication satellites began as a series of experiments. Governments launched satellites and experimented with them to see what could be accomplished. If a broadcast was successful, it was thought of as progress, but no attempt was made to create an operational system. The establishment of the INTELSAT consortium indicated that there was potential commercial gain in the transmission of various modes of telecommunication. In the future it will become even more obvious that there are powerful commercial interests involved with international telecommunication via satellite and that there are also individual interests to be protected. The transmission of telephone conversations is important, but similarly the use of the satellite for educational communication purposes is important. There is a need for a balancing of interests, and this can be most easily seen if one becomes aware of a number of the divergent viewpoints represented in this bibliography.

Eventually there will be a need for the development of detailed international treaties dealing with satellite telecommunication, and national laws will be created to deal with special situations of liability. Questions will arise as to the propaganda value of particular programming and whether the launching state of the satellite used to transmit the signal should be held liable for the content of the programs which it allows to be broadcast. Whether this turns out to be true or not, it remains that the legal and political scholar needs to be informed of the issues if he is to intelligently guide the development of the law. Political scientists and political decision makers in government need to be aware of the implications of their legislation which is intended to regulate and control the growth of the communication satellite as a transmission medium.

It may be that we will find ourselves with one global satellite telecommunication system, or we may have a number of regional systems. What are the implications of each of these systems? What are the positions of the governments of the world regarding the options? What are the legal ramifications of each? These are some of the questions which are posed and dealt with in the literature listed in this bibliography. In addition, the roles of the international organizations such as the International Telecommunication Union are considered.

The question of frequency allocation may become a technical question with an inordinate amount of political and legal overtones, since the allocation of frequencies for space service has become an international political

question which requires detailed study. It becomes necessary to consider the intricacies of this question from various levels of analysis if one is to arrive at a reasoned consensus as to the optimum allocation system.

There are problems of the regulation of international satellite communication that involve potentially illegal situations. "Pirate broadcasting" has become a modern instance of the application of international law to a situation which involves contemporary technology and one which the creators of the law did not contemplate. While the question of unauthorized "pirate broadcasting" in Europe has been partially dealt with through various pieces of legislation, the possibility of pirate satellite broadcasting on the shortwave band raises new and interesting problems. These problems would be compounded if the State receiving the broadcast were of a different political persuasion than the transmitting State.

Finally, since various nations have played an important part in the development of communication satellite technology, it is necessary to consider the domestic legislation and articles that have been written about it in order to fully understand the international implications included therein. The domestic regulatory agencies, the policies of the political officers of the State and the official governmental pronouncements are all important.

This bibliography provides the basis for future works of a similar nature. The technology has not reached its zenith in development and the legal and political complexities surrounding it have not materialized as yet to any great degree, but rather what we have is the beginning of an area of intense interest in which a work of this type will serve to prepare the foundation which will ensure rational thought and serious scholarship in the future.

Professor Delbert D. Smith
Director, The EDSAT Center
May 21, 1971

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CHALLENGE OF THE EDSAT CENTER: EDUCATIONAL SATELLITE COMMUNICATIONS

As satellite telecommunication technology promises to revolutionize global communication, efforts must be undertaken to insure that educational applications of this exciting technology are developed. Communication via satellite offers vast potential for facilitating rapid, person-to-person interaction between scholars, educators and researchers in many countries simultaneously. There is a need for an education-communication system that will accelerate the sharing of the world's knowledge resources at a rate more nearly approaching the speed at which knowledge and technology are growing. The potential for teaching-learning experiences and information sharing which utilize the resources of many countries at once is at the same time phenomenal and quite feasible in view of current satellite technology.

The EDSAT Center at The University of Wisconsin, which is a multidisciplinary facility with a transmitting capability, was created to research and promote educational and social uses of satellite technology, and as such is unique in the United States. Located within the Space Science and Engineering Center, the EDSAT Center provides a base for the natural integration of scientific and humanities input. EDSAT has five basic objectives:

TO EXPAND AND EXTEND UW EDUCATIONAL FACILITIES

The EDSAT Center endeavors to develop and adapt satellite communications technology to expand the educational facilities of The University of Wisconsin. It seeks to utilize satellite capabilities to provide a two-way communications system, bringing outside information to the University through satellite communications and extending the dissemination of knowledge from the University to other areas of the nation and world. EDSAT cooperates with other universities nationally and internationally to develop a fruitful exchange in teaching-learning and information-sharing programs.

TO PROVIDE FOR RESEARCH AND TRAINING

Center research interests focus on the interinstitutional, problem-oriented applications of satellite telecommunication and the potential of satellites in education. The Center investigates the possibilities of using satellites to collect data, to provide point-to-point dissemination of data, to link institutions nationally and internationally, and to supply a medium for instruction bridging cultural and political boundaries. The Center also conducts research in multicultural systems of education and the problems of communication between people of different cultures with an emphasis on the adult learner.

Research areas of special interest to EDSAT include satellite teleconferencing, satellite telecommunications in teaching-learning activities, telecommunication law, and evaluation and assessment of the social and educational impact of satellite telecommunications.

TO DEVELOP MODELS

The EDSAT Center is working with other educational institutions, foundations, United Nations organizations, and governmental agencies in attempting to develop satellite systems to meet various needs. A user-oriented approach is applied which utilizes feasibility studies and other means in determining the most beneficial satellite system configuration. Based on the results of research generated at the Center and in the field, working models are developed which can then be adapted by others, in cooperation with EDSAT, to suit their particular needs and circumstances.

The Center emphasizes the development of software, which will provide the basis for the design of particular educational materials to be used in experimental and eventually in operational educational satellite systems. Software technology generated in this way serves as the basis for hardware and media development. It is important that hardware and software be regarded as integral parts of a total system, neither of which can be applied in an unrelated fashion. To the extent that software development precedes and shapes hardware development and uses, it becomes possible to develop a hardware technology which is user-oriented and which consists of equipment of a specialized nature developed in response to users' needs.

In addition to models for the development of hardware and software, the Center also conducts studies based on research and experiments in the field, to establish legal and organizational models to serve as the basis for eventual national, regional, and global communication satellite systems. The complexities of such systems may in some cases require the creation of new institutional bodies or special national and international legislation to deal with the problems involved. The Center's early research in telecommunication law indicates a need for cooperation between potential users and national and international political authorities in order to develop a model agreement between countries to regulate the operations of any effective satellite telecommunication system.

TO DEVELOP A TRANSMISSION CAPABILITY

The Center's experimental-demonstration laboratory is located in the Space Science and Engineering Center on the Madison campus and operates under an experimental radio license with FCC call letters KB2-XML. Equipped with two Motorola base-station transceiver units (110 watts and 400 watts) and a Cushcraft Model A144-20T antenna, the Center has full voice and data transmission and reception capabilities. The base station is designed for remote control operation permitting transmission, reception, monitoring and control from various locations. EDSAT Center transmissions are made at 149.22 and 149.25 megacycles and receptions at 135.6 and 135.62 megacycles. All activities thus far have been conducted via Applications Technology Satellites I and III which are used by permission of NASA.

In the area of technology development, the Center is working on the development of low-cost, high-performance base-station capabilities which conform to users' needs as developed through software research. Work is being done on experimentation and design of "interface" connections between satellite communication equipment and peripheral equipment, such as physiological sensory devices, facsimile devices and computers. Full duplex capabilities, *i.e.*, simultaneous two-way voice communications, exist and are being refined for application to teleconferencing and teaching-learning activities. Relatively inexpensive small satellite ground terminals of the kind the Center is developing are expected to have great utility in educational applications, especially those involving direct-broadcast satellites. Presently under study is the development of a low-cost video capability which will supplement the various audio and data transmission systems.

TO ESTABLISH AN INFORMATION CLEARINGHOUSE

The EDSAT information clearinghouse provides for the collection, annotation, and selective dissemination of information on educational and social applications of satellite communications and related fields. After initial selection, this information is made available to a broader community through the publication of special bibliographies. The clearinghouse has developed a continuing in-house bibliographic service to meet the information needs of Center-connected research personnel in the U.S. and abroad.

Thus the work of the EDSAT Center is charting new directions for the utilization of satellite technology. Through its research and technical capabilities it will prove possible for the Center to explore educational satellite telecommunication and to derive models and projects for improved understanding in this area.

INTRODUCTION TO THE BIBLIOGRAPHY

The bibliographic services of the EDSAT Center were established as one of the early activities of EDSAT because of a need for informational input toward the development of the ideals and objectives of the Center and out of foresight for the importance of building an informational resource. To this end, a large search was undertaken for relevant materials on educational and social uses and implications of telecommunications. Once a broad picture of the issues associated with the use of telecommunications was drawn, refinement to the scope of the specific applications and problems of satellite telecommunications was begun. The first bibliography to be published by the EDSAT Center, *The Educational and Social Use of Satellite Communications*, appeared in May 1970. A second bibliography, *Teleconferencing*, was published in February 1971. Teleconferencing, as an educational medium and information-sharing mechanism, may prove to be an especially viable educational application for satellite telecommunications.

The educational and social use of satellite telecommunications depends upon the legal and political climate which may allow and encourage this use or may indeed hamper or preclude this use. The legal and political issues and concepts associated with global utilization of satellite systems have crystalized enough now that deliberations are being made which will determine the directions of international arrangements for satellite communications. INTELSAT convened its final Plenipotentiary Conference from April 14 to May 21, 1971, and the World Administrative Radio Conference for Space Telecommunications will be held in Geneva from June 7 to July 17, 1971.

We have collected and annotated this bibliography at this time, not only to increase our own knowledge and understanding of the legal and political issues of satellite telecommunications, but also to share this information with those who will shape the use of satellite systems.

This bibliography includes works on global, regional and domestic satellite systems, both proposed and operative, and on problems of international organization, cooperation and regulation. We will continue the collection and annotation of materials on the legal and political aspects of satellite telecommunications, developing the topics presented in this volume in greater depth, and begin to search out relevant works within the related topics of educational television, international broadcasting, domestic broadcasting laws and regulations, cable TV and copyright.

The EDSAT Center gratefully acknowledges the cooperation and financial assistance of The University of Wisconsin Graduate School, Office of International Studies and Programs, and Space Science and Engineering Center.

We wish also to thank Sandy Noe, Nancy Wulfers, and Mary Zellmer for their help in preparing this manuscript for publication.

GUIDE TO THE USE OF THE BIBLIOGRAPHY

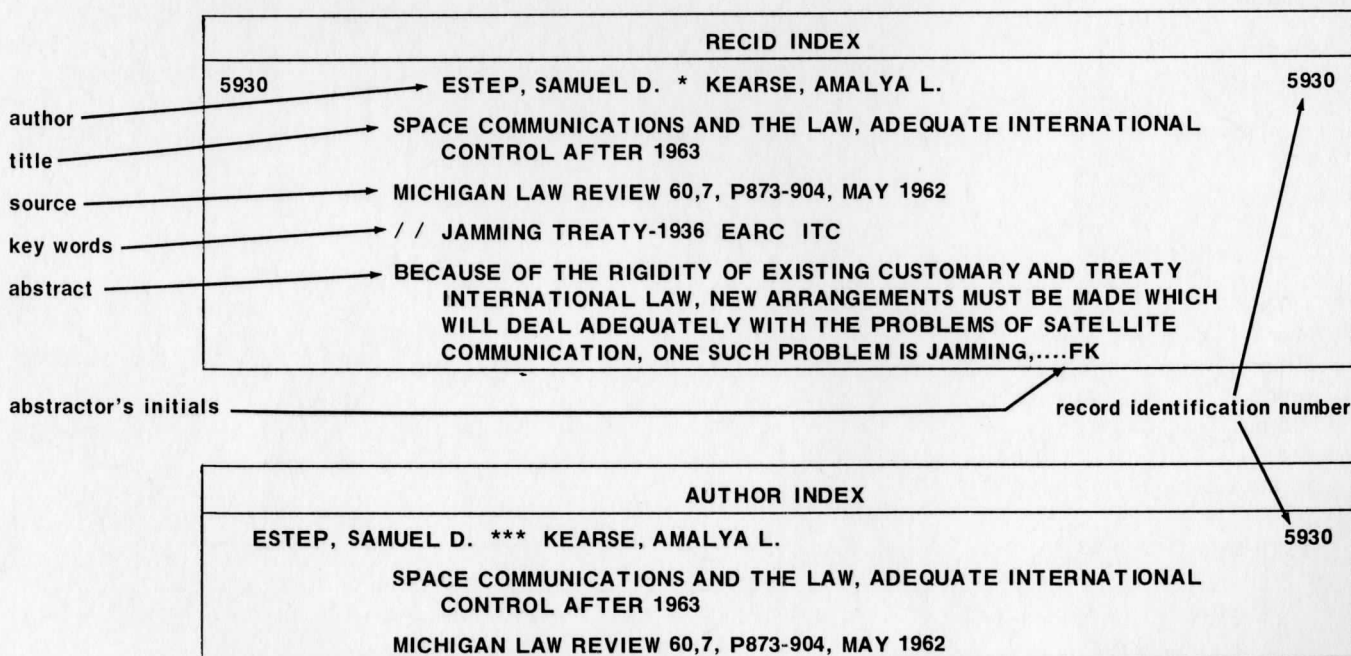
The bibliography is made up of three parts: a Record Identification Index, an Author Index, and a Permuted Index.

The Record Identification Index, noted on the print-out as the RECID INDEX, is a list of abstracted references to books, parts of books, journal articles, conference papers, news items and unpublished papers. The items on the list appear in order of accession, with the accession number—the record identification number—printed out at the left and the right of each citation. Each entry is made up of five parts: author, title, source, key words and abstract.

The Author Index relists the record alphabetically by author's surname or by the corporate body of authorship. News items with no stated authorship and having no author listing do not appear in the Author Index.

The Permuted Index serves as a subject index. It is a KWOC (Key Word Out of Context) index which is generated by the computer permutation of the significant words within the titles and of supplementary key words. The key words are important subject words which do not appear in the title but which describe the content of the material cited. A KWOC index is based on the same principles as a KWIC (Key Word in Context) index, but is printed out in a more readable format. While a KWIC index prints out only one line of the title, focusing upon the word being permuted within the context of the phrase, the KWOC index prints out the word to the left, repeating the entire title, the key words and the record identification number to the right. Each word of the title and each key word then serves as a subject heading.

The full reference with key words and abstract in the examples below appears in the Recid Index in its numeric position between 5928 and 8191; it is repeated without the key words and abstract in the Author Index under ESTEP, SAMUEL D. and under KEARSE, AMALYA L.; and finally, its title, key words and record identification number appear under the subject headings SPACE, COMMUNICATIONS, LAW, ADEQUATE, INTERNATIONAL, CONTROL, JAMMING, TREATY-1936, EARC and ITC. The title does not appear under the headings AND, THE, AFTER and 1963, because these and other trivial words such as articles, prepositions, adverbs and some verbs are programmed to be rejected by the computer for permutation. In consulting the Permuted Index, the user will find only the title, the key words and the record identification number, and with the help of this number, will have to refer back to the Recid Index for full identification of the citation.



PERMUTED INDEX			
title words	COMMUNICATIONS	*** SPACE COMMUNICATIONS AND THE LAW, ADEQUATE INTERNATIONAL CONTROL AFTER 1963 // JAMMING TREATY-1936 EARC ITC	5930
		*** SPACE COMMUNICATIONS, CATALYST FOR INTERNATIONAL UNDERSTANDING // ITU FCC IRAC EARC FREQUENCY	8263
		*** INTERNATIONAL ARRANGEMENTS FOR SATELLITE COMMUNICATIONS // COMSAT GLOBAL-SYSTEMS	8213
LAW		*** SPACE COMMUNICATIONS AND THE LAW, ADEQUATE INTERNATIONAL CONTROL AFTER 1963 // JAMMING TREATY-1936 EARC ITC	5930
		*** THE LAW AND COMMUNICATIONS SATELLITES // FCC UN ACT-1962	8264
		*** LAW AND ORDER IN SPACE, A VITAL NECESSITY // PROPAGANDA OWNERSHIP SOVIET-VIEW DECLARATION-1963	8474
CONTROL		*** SPACE COMMUNICATIONS AND THE LAW, ADEQUATE INTERNATIONAL CONTROL AFTER 1963 // JAMMING TREATY-1936 EARC ITC	5930
		*** COMMUNICATION SATELLITES, INTERNATIONAL ORGANIZATION FOR DEVELOPMENT AND CONTROL // DIRECT-BROADCASTING GLOBAL-SYSTEMS COMSAT INTELSAT	5914
		*** INTERNATIONAL TELECOMMUNICATION CONTROL // ITU INTELSAT HARMFUL-EFFECTS PIRACY DIRECT-BROADCASTING	8591
key words	JAMMING	*** THE INTERNATIONAL LAW ON RADIO INTERFERENCE // SOVEREIGNTY FREE-FLOW-OF-INFORMATION JAMMING FREQUENCY	8510
		*** DIRECT-BROADCASTING FROM SATELLITE, THE CASE FOR REGULATION // ITU JAMMING INTELSAT COMSAT UN	8626
		*** SPACE COMMUNICATIONS AND THE LAW, ADEQUATE INTERNATIONAL CONTROL AFTER 1963 // JAMMING TREATY-1936 EARC ITC	5930
EARC		*** SPACE COMMUNICATIONS, CATALYST FOR INTERNATIONAL UNDERSTANDING // ITU FCC IRAC EARC FREQUENCY	8263
		*** INTELSAT, DOING BUSINESS IN OUTER-SPACE // UN COMSAT EARC ICSC	5897
		*** SPACE COMMUNICATIONS AND THE LAW, ADEQUATE INTERNATIONAL CONTROL AFTER 1963 // JAMMING TREATY-1936 EARC ITC	5930

The citations themselves are divided into three parts: author, title and source.

The author statement is simply the identification of the individual, individuals or corporate bodies responsible for the work's intellectual content. The authors can be listed in such a way that the computer program will list the citation in the Author Index under more than one author. We have made use of this capacity to enrich the Author Index with second authors or identifying phrases. The author of citation 0713 is the President's Task Force on Communication Policy, but since the report cited is known popularly as the Rostow Report, we have added that phrase separated by three asterisks. This citation will appear twice in the Author Index, once under each statement.

AUTHOR INDEX		
PRESIDENT'S TASK FORCE ON COMMUNICATION POLICY	*** ROSTOW REPORT	0713
ROSTOW REPORT	*** PRESIDENT'S TASK FORCE ON COMMUNICATION POLICY	0713

The titles are altered in several ways because of computer systems limitations. Commas and periods are substituted where colons, semicolons and question marks occurred in the originals. Hyphens are used as a device to link two or more words so that they will be treated as a one-word unit for permutation by the computer. This is done simply to limit the occurrence of less meaningful subject headings. The phrases BERNE-CONVENTION, DEVELOPING-COUNTRIES and UNITED-STATES are adequately represented by their appearance under the headings BERNE, DEVELOPING and UNITED, and the headings CONVENTION, COUNTRIES and STATES need not occur without their antecedents.

The sources vary from the simple imprint, containing the information of place, publisher and date, such as in citation 8591, Leyden, A. W. Sijthoff, 1969, to more-complex imprints containing statements contrived to explain the availability of the work as best we can. Journal articles fall somewhere in between. The style used for these sources shows the title, volume, paging and date.

RECID INDEX		
8480	GENERAL TELEPHONE AND ELECTRONICS SERVICE CORPORATION	8480
	ESTABLISHMENT OF DOMESTIC COMMUNICATION SATELLITE FACILITIES BY NON-GOVERNMENTAL ENTITIES	
	DOCKET NUMBER 16495, PRESENTED TO THE FCC, DECEMBER 17, 1970	

JOURNAL CITATION		
5930	MICHIGAN LAW REVIEW 60,7, P873-904, MAY 1962	5930

journal title
volume and issue
paging
date

Some of the citations are analytics, with each chapter listed separately. The source shows the paging for the chapter or article, and the full citation of the book in which it appears.

ANALYTIC CITATION		
0617	PAGES 61-73 IN UNESCO. COMMUNICATION IN THE SPACE	0617
	AGE, THE USE OF SATELLITES BY THE MASS MEDIA.	
	PARIS, UNESCO, 1968.	

paging →
 author →
 title →

imprint ←

The abstracts are signed with the abstractors' initials. Those abstracts which are signed AIAA have been copied from the American Institute of Aeronautics and Astronautics' *International Aerospace Abstracts*.

ABBREVIATION LIST

ABC	American Broadcasting Company	EDSAT	Educational Satellite Center
ABU	Asian Broadcasting Union	ELDO	European Launcher Development Organization
AEC	Atomic Energy Commission	EMBRATEL	Empresa Brasileira de Telecomunicações
AIAA	American Institute of Aeronautics and Astronautics	ESRO	European Space and Research Organization
AID	Agency for International Development	ETV	Educational Television
ARC	American Radio Corporation	EXTELCOMS	East African External Telecommunications Company
ASCEND	Advanced System for Communications and Education in National Development	FAA	Federal Aviation Administration
ATS	Applications Technology Satellite	FCC	Federal Communications Commission
AT&T	American Telephone and Telegraph Company	FM	Frequency Modulation
BIEM	Bureau International de l'Édition Mécanique	gc	Gigacycles
BIRPI	International Bureaux for the Protection of Intellectual Property	GE	General Electric
CATV	Community Antenna Television	GHz	Gigahertz
CBC	Canadian Broadcasting Corporation	GNP	Gross National Product
CBS	Columbia Broadcasting System	GPO	U.S. Government Printing Office
CCIR	International Radio Consultative Committee	GT&E	General Telephone and Electronics Corporation
CCITT	International Telegraph and Telephone Consultative Committee	HF	High Frequency
CEPT	Conférence Européenne des Administrations des Postes et des Télécommunications	IAEA	International Atomic Energy Agency
CETS	La Conférence Européenne des Télécommunications par Satellites	IBC	International Broadcasting Commission
CISAC	International Confederation of Societies of Authors and Composers	IBI	International Broadcast Institute
CNRS	Centre National de la Recherche Scientifique	ICAO	International Civil Aviation Organization
COMSAT	Communication Satellite Corporation	ICSC	Interim Communications Satellite Committee of INTELSAT
CONTEL	Conselho Nacional de Telecomunicações	IFRB	International Frequency Registration Board
COSPAR	Committee on Space Research (of the International Council of Scientific Unions)	IMCO	Intergovernmental Maritime Consultative Organization
CPB	Corporation for Public Broadcasting	INGO	International Non-Governmental Organization
CSC	Communications Satellite Corporation	INTELSAT	International Telecommunications Satellite Consortium
EARC	Extraordinary Administrative Radio Conference (1963)	IRAC	Interdepartment Radio Advisory Committee
EBU	European Broadcasting Union	ITC	International Telecommunication Convention
		IT&T	International Telephone and Telegraph
		ITU	International Telecommunication Union
		ITV	Instructional Television
		IWG	International Writer's Guild
		LF	Low Frequency
		MF	Medium Frequency
		NAEB	National Association of Educational Broadcasters

NASA	National Aeronautics and Space Administration	SMU	Southern Methodist University
NASCOM	NASA's Operational Communication Network	SYNCOM II	Synchronous (Orbit) Communications Satellite
NBC	National Broadcasting Company	TELESAT	Canadian Domestic Satellite System
NHK	Nippon Hoso Kyokai (Japan Broadcasting Corporation)	TT&C	Tracking, Telemetry and Command and Control
ODTM	U.S. Office of the Director of Telecommunications Management	UHF	Ultra-High Frequencies
ORTF	Office de Radiodiffusion-Télévision Française	UN	United Nations
OTP	Office of Telecommunications Policy	UNDP	United Nations Development Programme
PBS	Public Broadcasting Service	UNESCO	United Nations Educational, Scientific and Cultural Organization
RCA	Radio Corporation of America	USIA	United States Information Agency
RF	Radio Frequency	USSR	Union of Soviet Socialist Republics
RTB	Radiodiffusion-Télévision Belge	VHF	Very High Frequencies
SACI	Satélite Avançado Comunicações Interdisciplinares	WARC	World Administrative Radio Conference for Space Telecommunications of 1971
SEC	Securities Exchange Commission	WMO	World Meteorological Organization
SHF	Super High Frequency		
SITC	Satellite International Television Centre		

Abbreviated Forms Used in the Permuted Index

The following abbreviated forms of acts, treaties and conferences are used in the Permuted Index.

Act-1934	Federal Communications Act of 1934
Act-1962	Communications Satellite Act of 1962
Article-7	Article 7 of the Radio Regulations
Declaration-1963	UN Declaration of the Legal Principles Governing the Exploration and Use of Outer Space
INTELSAT-1964	INTELSAT Washington Agreement of 1964
INTELSAT-1969	INTELSAT Plenipotentiary Conference of 1969
INTELSAT-1971	INTELSAT Plenipotentiary Conference of 1971
Treaty-1936	Broadcasting Treaty of 1936
Treaty-1967	Outer Space Treaty of 1967

RECID INDEX

- 0620C STRASCHNOV, GEORGES C. 0620C
- SOME LEGAL ASPECTS OF TELEVISION TRANSMISSION BY SATELLITES
- PAGES 93-100 IN UNESCO. COMMUNICATION IN THE SPACE AGE, THE USE OF SATELLITES BY THE MASS MEDIA. PARIS, UNESCO, 1968
- // PROGRAMMING EBU COPYRIGHT PTT FCC
- DEALS WITH THE LEGAL IMPLICATIONS WHICH ARISE WHEN TELEVISION PROGRAMMING CARRIED INTERNATIONALLY BY SATELLITE THROUGH GROUND STATIONS EXPANDS BEYOND SPORTING EVENTS AND PUBLIC AFFAIRS TO ARTISTIC PROGRAMMING. MANY LEGAL PROBLEMS ARISE CHIEFLY FROM THE DIFFERENCES BETWEEN NORTH AMERICAN AND EUROPEAN LEGISLATION AND REGULATORY PRACTICES. A MAJOR DIFFERENCE EXISTS BETWEEN THE POLICIES OF THE EUROPEAN PTT AND THE U.S. FCC ON THE ALLOCATION OF THE PRESENT LIMITED CHANNELS FOR PROGRAM TRANSMISSION (STATEMENT BASED ON TECHNOLOGY IN 1965). THE PTT DECIDES ON THE PRIORITIES FOR CHANNEL USE AND THUS COULD IMPOSE A KIND OF CENSORSHIP. THE FCC HAS A POLICY OF NON-SCRUTINY OF MESSAGE CONTENT, GENERALLY OFFERING SERVICE TO THE FIRST TO REQUEST CHANNEL USE. OTHER DIFFERENCES EXIST IN COMMERCIAL BROADCAST RULES AND IN BOTH NATIONAL AND INTERNATIONAL COPYRIGHT LEGISLATION (THE U.S. IS NOT A MEMBER OF THE BERNE CONVENTION AND HAS BEEN A PARTY TO THE UNIVERSAL COPYRIGHT CONVENTION ONLY SINCE 1955). OTHER DIFFICULTIES INCLUDE COST, TIME ZONE DIFFERENCES, SPONSORSHIP CONFLICTS BETWEEN ORIGINATING AND RECEIVING STATIONS, CLAIMS OF LIBEL IN INTERNATIONAL TRANSMISSION AND THE FUTURE USE OF DIRECT BROADCAST SATELLITES. JK
- 0621C DICKINSON, J. TREEBY 0621C
- TELECOMMUNICATIONS SATELLITES AND THE EUROPEAN-BROADCASTING-UNION
- PAGES 101-5 IN UNESCO. COMMUNICATION IN THE SPACE AGE, THE USE OF SATELLITES BY THE MASS MEDIA. PARIS, UNESCO, 1968
- // DIRECT-BROADCASTING
- THE EBU IS A NONGOVERNMENTAL ASSOCIATION, REPRESENTING SOME POTENTIAL CUSTOMERS FOR SATELLITE TELECOMMUNICATIONS USE. SATELLITE USE IS TREATED BY THE EBU IN MUCH THE SAME FASHION AS ANY POINT-TO-POINT SYSTEM, IN TERMS OF ASSESSING OPERATIONAL REQUIREMENTS AND IN NEGOTIATING CONDITIONS FOR ITS USE. THE ARTICLE DESCRIBES THE LIMITED USE TO WHICH SATELLITE TELECOMMUNICATION CAN BE PUT. A PROGRAM MUST BE OF 'SUFFICIENT IMPORTANCE' AND 'ACTUALITY' TO JUSTIFY THE ECONOMIC LIMITATIONS INHERENT IN ITS USE. THE ARTICLE CITES THE KENNEDY FUNERAL AND THE TOKYO OLYMPICS AS EXAMPLES OF THE TYPE OF USE TO WHICH SUCH SYSTEMS WILL BE PUT. THE USES AND ADVANTAGES OF A SYNCHRONOUS-ORBIT SATELLITE SYSTEM ARE DESCRIBED IN TERMS OF THESE EXAMPLES. THE AUTHOR DOES NOT FORESEE THE GROWTH OF DIRECT BROADCASTING IN THE NEAR FUTURE DUE TO TECHNICAL CONSIDERATIONS. SUCH A SYSTEM WOULD REQUIRE A VERY SOPHISTICATED ORIGINAL TRANSMITTER IF ITS SIGNALS WERE TO BE RECEIVED BY HOME RECEIVERS DIRECTLY FROM SATELLITES. THE USE OF INTERMEDIARY EARTH RECEIVING STATIONS WOULD SOLVE THIS PROBLEM, BUT THE RESULTANT SYSTEM WOULD BE ANCILLARY TO CURRENT CABLE-MICROWAVE SYSTEMS. HB
- 0629C U.N. 0629C
- THE PEACEFUL USES OF OUTER-SPACE, ROLE OF THE UN COMMITTEE IN GENERAL AND CONCERNING SPACE COMMUNICATION IN PARTICULAR
- PAGES 155-159 IN UNESCO. COMMUNICATION IN THE SPACE AGE, THE USE OF SATELLITES BY THE MASS MEDIA. PARIS, UNESCO, 1968
- // UN-AD-HOC-COMMITTEE DECLARATION-1963
- THE U.N. ESTABLISHED THE AD HOC COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE TO FURTHER THE STATED PURPOSE OF SEEKING INTERNATIONAL COOPERATION IN SPACE FOR THE BETTERMENT OF ALL NATIONS REGARDLESS OF THEIR CURRENT STAGE OF DEVELOPMENT. THE COMMITTEE CONSISTS OF A TECHNICAL AND A LEGAL SUBCOMMITTEE, AND ITS MEMBERS ARE DRAWN FROM 28 NATIONS. IN NOVEMBER 1963, THE COMMITTEE SUBMITTED TO THE GENERAL ASSEMBLY A DECLARATION OF THE LEGAL PRINCIPLES GOVERNING THE EXPLORATION AND USE OF OUTER SPACE, WHICH THE ASSEMBLY UNANIMOUSLY APPROVED. AN INTERDEPARTMENTAL WORKING GROUP WAS SET UP TO COORDINATE ALL THE SPACE-ORIENTED WORK OF THE VARIOUS U.N. STANDING COMMITTEES, AND A SPECIAL UNIT IN THE DEPARTMENT OF POLITICAL AND SECURITY COUNCIL AFFAIRS (THE OUTER SPACE AFFAIRS GROUP) WAS ALSO ESTABLISHED AT THE SECRETARIAT LEVEL. THE U.N. WORKED VERY CLOSELY WITH THE ITU IN STUDYING THE WAYS OF IMPLEMENTING THE PROPOSALS SET FORTH BEFORE THE U.N. CONCERNING THE PEACEFUL USES OF INTERNATIONAL SATELLITE COMMUNICATIONS. HB
- 0630C EEK, HILDING 0630C
- INTERNATIONAL COOPERATION AND INTERNATIONAL CONTROL
- PAGES 160-8 IN UNESCO. COMMUNICATION IN THE SPACE AGE, THE USE OF SATELLITES BY THE MASS MEDIA. PARIS, UNESCO, 1968
- // UN
- THE AUTHOR SUGGESTS THAT LAW HAS NOT KEPT PACE WITH TECHNOLOGICAL ADVANCES IN THE AREA OF SATELLITE COMMUNICATIONS. HE STUDIES POSSIBLE ALTERNATIVES BY WHICH EFFECTIVE INTERNATIONAL LAWMAKING BODIES CAN BE INSTITUTED THROUGH THE U.N., AND HE REFERS TO BASIC ISSUES WHICH MUST BE CONSIDERED WHEN CHOOSING ANY ONE ALTERNATIVE. THE PRIVATE SECTOR, WHICH IS GENERALLY RESPONSIBLE FOR THE RESEARCH AND DEVELOPMENT OF NEW TECHNIQUES, MUST BE PROTECTED, AS MUST THE PUBLIC SECTOR. THE GOALS MUST BE TO PRESERVE PEACE, FURTHER WORLDWIDE EDUCATION, AND ALLOW FOR CULTURAL EXCHANGE BETWEEN NATIONS. THE AUTHOR STATES THAT OUTER SPACE SHOULD BE LOOKED UPON AS THE OPEN SEA IS VIEWED BY THE LAW - THE PROPERTY OF ALL. HOWEVER, THE LAWS GOVERNING BEHAVIOR IN OUTER SPACE MUST BE FURTHER DEFINED BECAUSE TERRESTRIAL LAW IS NOT NECESSARILY APPLICABLE. THE AUTHOR CONCLUDES THAT INTERNATIONAL CONTROLS MUST BE SET UP AND THAT THE U.N. IS THE BODY MOST CAPABLE OF THE TASK. HB
- 0713 PRESIDENT'S TASK FORCE ON COMMUNICATION POLICY * ROSTOW REPORT 0713
- FINAL REPORT. PRESIDENT'S TASK-FORCE ON COMMUNICATIONS POLICY
- WASHINGTON, G.P.O., 1968.

RECID INDEX

0744C U.S. CONGRESS. HOUSE. COMMITTEE ON FOREIGN AFFAIRS * ZABLOCKI, CLEMENT J. 0744C

SATELLITE BROADCASTING, IMPLICATIONS FOR FOREIGN POLICY

HEARINGS BEFORE THE SUBCOMMITTEE ON NATIONAL SECURITY POLICY AND SCIENTIFIC DEVELOPMENTS OF THE COMMITTEE ON FOREIGN AFFAIRS. HOUSE OF REPRESENTATIVES. 91ST CONG., 1ST SESS., MAY 13-15, AND 22, 1969. WASHINGTON, GPO, 1969. 317P

// INTELSAT CDTM INDIA EDUCATION

INTRODUCTION OF HOUSE CONCURRENT RESOLUTION 236, EXPRESSING CONGRESSIONAL ATTITUDE WITH RESPECT TO INTERNATIONAL POLICY ON SATELLITE BROADCASTING, FOLLOWED BY HEARINGS CONDUCTED BY CLEMENT J. ZABLOCKI. EMPHASIS ON DISCUSSIONS INVOLVING THE INDIAN EXPERIMENT, THE FORMULATION OF U.S. POLICY, THE ROLE OF INTELSAT, AND THE EDUCATIONAL USES OF A SATELLITE SYSTEM. IT IS RECOMMENDED THAT INTELSAT BE GIVEN THE RESPONSIBILITY OF ESTABLISHING THE SATELLITE PORTION OF A WORLD-WIDE SYSTEM, THAT REASONABLE REQUESTS BY THE U.N. FOR SATELLITE USE BE HONORED, THAT A 'CENTER FOR DEVELOPMENTAL TV' BE ESTABLISHED WITHIN THE U.S. EXECUTIVE BRANCH, AND THAT U.S. POLICY FORMULATION BE HANDLED BY THE OFFICE OF TELECOMMUNICATION MANAGEMENT ALSO WITHIN THE EXECUTIVE BRANCH. THESE ISSUES ARE DISCUSSED BY WITNESSES WITH VARIED POINTS OF VIEW. APPENDICES INCLUDE RELEVANT LETTERS, STATEMENTS, MEMORANDA, SPEECHES AND A BRIEFLY ANNOTATED BIBLIOGRAPHY ON DIRECT BROADCASTING FROM SATELLITES. SEE 0745. LC

0745B GAMARRA, NANCY T. * MAGNUSSON, ANGIE L. * SHERBURNE, RUSSEL K. 0745B

DIRECT-BROADCASTING FROM SATELLITES, ANNOTATED BIBLIOGRAPHY

PAGES 296-305 IN ZABLOCKI, CLEMENT J. (CHAIRMAN). SATELLITE BROADCASTING. IMPLICATIONS FOR FOREIGN POLICY. HEARINGS BEFORE THE SUBCOMMITTEE ON NATIONAL SECURITY POLICY AND SCIENTIFIC DEVELOPMENTS OF THE COMMITTEE ON FOREIGN AFFAIRS. H.R., 91ST CONGRESS, 1ST SESSION. MAY 13-15, 22, 1969. WASHINGTON, G.P.O., 1969. 317P. SEE 0744

3089C LOY, FRANK E. 3089C

CAN THE INTELSAT EXPERIENCE SERVE AS A PRECEDENT FOR INTERNATIONAL COOPERATION IN OTHER FIELDS

U.N. CONFERENCE ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE, VIENNA, 1968. A/CONF.34/VIII.6. JUNE 3, 1968

// ITU

THIS ARTICLE DESCRIBES THE TECHNOLOGICAL, ECONOMIC, POLITICAL AND INSTITUTIONAL FACTORS WHICH CREATED THE NEED FOR THE DEVELOPMENT OF INTELSAT. AMONG THESE, THE MOST IMPORTANT FACTORS ARE 1) CURRENT SYSTEMS CONSCIOUSNESS WITH AN EMPHASIS ON THE NEED FOR A CENTRALIZED INSTITUTION FOR COMMUNICATIONS 2) THE NEED TO BRIDGE THE GAP BETWEEN DEVELOPING NATIONS AND THOSE THAT ARE TECHNOLOGICALLY DEVELOPED 3) THE INTERNATIONAL IMPLICATIONS OF SATELLITES AND POTENTIAL BENEFITS OF SATELLITES FOR ALL NATIONS 4) THE LACK OF AN INTERNATIONAL ORGANIZATION CAPABLE OF OPERATIONAL FUNCTIONS 5) THE REQUIREMENT OF TECHNICAL AND POLITICAL COORDINATION IN THE STANDARDIZATION OF GROUND STATIONS, FREQUENCY ALLOCATIONS AND TELECOMMUNICATIONS REGULATION AND 6) THE SHARING OF THE MASSIVE COSTS. THE AUTHOR FEELS THAT THE INTELSAT EXPERIENCE IS SO UNIQUE THAT IT CAN SERVE MORE AS AN EXAMPLE OF COOPERATION THAN AS A MODEL FOR OTHER STRUCTURES DEALING WITH GLOBAL PROBLEMS. CM

3102C JOHNSON, JOHN A. 3102C

ORGANIZATION AND ACTIVITIES OF THE INTERNATIONAL-TELECOMMUNICATIONS-SATELLITE-CONSORTIUM

U.N. CONFERENCE ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE, VIENNA, 1968. A/CONF.34/VIII.22. JUNE 7, 1968

// COMSAT ICSC

THE AUTHOR GIVES A BRIEF HISTORY OF THE ESTABLISHING OF INTELSAT AND LISTS SOME OF ITS ACCOMPLISHMENTS. INTELSAT WAS CREATED ON AUG. 20, 1964, AS A RESULT OF TWO AGREEMENTS SIGNED BY 14 COUNTRIES. THE FIRST AGREEMENT ESTABLISHED THE STRUCTURAL FRAMEWORK OF INTELSAT AND ITS OBJECTIVE TO CREATE '...A SINGLE GLOBAL COMMERCIAL COMMUNICATIONS SATELLITE SYSTEM AS PART OF AN IMPROVED GLOBAL COMMUNICATIONS NETWORK WHICH WILL PROVIDE EXPANDED TELECOMMUNICATIONS SERVICES TO ALL AREAS OF THE WORLD AND WHICH WILL CONTRIBUTE TO WORLD PEACE AND UNDERSTANDING.' THIS AGREEMENT ALSO PROVIDES FOR A GOVERNING BODY, THE INTERIM COMMUNICATIONS SATELLITE COMMITTEE, WHOSE FUNCTIONS ARE TO BE EXPLORED AND RE-EVALUATED BY JAN. 1, 1970. COMSAT IS NAMED AS INTELSAT'S MANAGER. THE SECOND AGREEMENT OR SPECIAL AGREEMENT ENCOMPASSES ALL THE FINANCIAL REQUIREMENTS, INCLUDING COST AND REVENUE SHARING, RATE SETTING, INVENTION RIGHTS, SEGMENT OWNERSHIP AND OTHER PROVISIONS INDICATING THE FUNCTIONS AND DUTIES OF THE GOVERNING BODY AND THE MANAGER. THOSE SIGNATORIES TO THE SPECIAL AGREEMENT ARE RESPONSIBLE FOR THE FINANCIAL OBLIGATIONS OF THE CORPORATION. THE INTELSAT AGREEMENTS REFLECT THE FUNDAMENTAL DISTINCTION BETWEEN THE OUTER SPACE SEGMENT AND THE SEPARATELY OWNED GROUND SEGMENT, WITH THE INTELSAT AGREEMENT GOVERNING ONLY THE SPACE SEGMENT. SINCE ITS FOUNDING, INTELSAT HAS LAUNCHED INTELSAT I, WHICH IS OPERATIONAL ON A DAILY BASIS WITH A CAPABILITY OF DATA TRANSMISSION AND 240 TWO-WAY VOICE TRANSMISSIONS, AND INTELSAT II WHICH HAS THE ADDITIONAL CAPABILITY OF MULTIPLE ACCESS. THE AUTHOR INCLUDES GENERAL INFORMATION ON THE PLANS FOR INTELSAT III AND IV. CM

REC'D INDEX

3109C

MEEKER, LEONARD C.

3109C

THE FIRST DECADE OF LAW IN SPACE

U.N. CONFERENCE ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE, VIENNA, 1968.
A/CONF.34/IX.3. JUNE 3, 1968

// UN-AD-HOC-COMMITTEE TREATY-1967

THE AUTHOR PRESENTS THE LAWS CURRENTLY IN FORCE WHICH GOVERN THE USES OF OUTER SPACE AND SPACE VEHICLES. IN 1959 THE U.N. ESTABLISHED THE AD HOC COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE, ONE OF WHOSE FUNCTIONS WAS TO STUDY THE LEGAL PROBLEMS ARISING FROM SPACE EXPLORATION. IT WAS THIS COMMITTEE THAT FIRST DECLARED SPACE TO BE '...FREELY AVAILABLE FOR EXPLORATION AND USE BY ALL IN ACCORDANCE WITH EXISTING OR FUTURE INTERNATIONAL LAW AGREEMENTS.' IN 1961 THE U.N. GENERAL ASSEMBLY DECLARED THAT '...INTERNATIONAL LAW, INCLUDING THE CHARTER OF THE UNITED NATIONS, APPLIES TO OUTER SPACE AND CELESTIAL BODIES.' THE MOST IMPORTANT DECLARATION, HOWEVER, WAS THE OUTER SPACE TREATY OF 1967. THIS TREATY STATES THE RULE OF FREEDOM OF SPACE AND SUPPORTS THE APPLICATION OF INTERNATIONAL LAW IN SPACE. IT PROHIBITS MASS DESTRUCTION WEAPONS IN SPACE, MILITARY BASES, MILITARY MANEUVERS, AND WEAPONS TESTS ON CELESTIAL BODIES. IT ALSO PROVIDES FOR AID TO ASTRONAUTS AND INCLUDES LIABILITY AND OWNERSHIP PROVISIONS, THE OBLIGATIONS ON AVOIDANCE OF HARMFUL INTERFERENCE AND CONTAMINATION DURING OR AFTER EXPLORATION, AND SUGGESTIONS FOR DATA EXCHANGE COOPERATION. MEEKER IS PARTICULARLY CONCERNED WITH ARMS CONTROLS BOTH IN SPACE AND ON THE EARTH AND FEELS THAT LEGAL PROHIBITIONS 'BEFORE THE FACT' WILL BE MUCH EASIER TO INSTITUTE THAN ARMS CONTROL ON EARTH. THE AUTHOR CITES BOTH THE WORLD WEATHER WATCH AND INTELSAT AS EXAMPLES OF THE TYPES OF INTERNATIONAL COOPERATION REQUIRED TO INSURE 'SOUND AND STABLE WORLD ORDER' AND THE PEACEFUL USES OF OUTER SPACE FOR ALL. CM

4182C

U.S. CONGRESS. HOUSE. COMMITTEE ON FOREIGN AFFAIRS * ZABLOCKI, CLEMENT J.

4182C

FOREIGN POLICY IMPLICATIONS OF SATELLITE COMMUNICATIONS

HEARINGS BEFORE THE SUBCOMMITTEE ON NATIONAL SECURITY POLICY AND SCIENTIFIC DEVELOPMENTS OF THE COMMITTEE ON FOREIGN AFFAIRS, 91ST CONGRESS, 2D SESSION, APRIL 23, 28, AND 30, 1970.
WASHINGTON, GPO, 1970. 212P

// TARIFFS JAPAN AUSTRALIA INTELSAT AID ITU WARC INDIA FCC OTP UN BRAZIL

THIS REPORT SERVES AS A FOLLOW-UP TO THE SUBCOMMITTEE'S HEARINGS ON THE SAME SUBJECT HELD IN MAY 1969 (SEE 0744). SINCE THAT TIME, TWO RECOMMENDATIONS OF THE SUBCOMMITTEE HAVE BEEN FULFILLED. FIRST, THE ODTM HAS BEEN UPGRADED AND REDESIGNATED THE OTP, AND SECOND, A FOCAL POINT HAS BEEN CREATED WITHIN AID FOR ASSISTING LESS DEVELOPED NATIONS IN PROGRAMS INVOLVING COMMUNICATIONS. 'THESE AND OTHER DEVELOPMENTS HAVE SUGGESTED THE NEED FOR A SHORT SERIES OF HEARINGS REVIEWING PROGRESS MADE TOWARD THE OBJECTIVES SET BY THE SUBCOMMITTEE, AND UPDATING OUR KNOWLEDGE OF FOREIGN POLICY-RELATED ACTIVITIES IN SATELLITE COMMUNICATIONS...' THE REPORT PRESENTS STATEMENTS BY VARIOUS WITNESSES ON 1) THE U.S. POSITION ON INTELSAT, THE ITU, AND THE WARC 2) THE STRUCTURE AND ROLE OF INTELSAT 3) THE JAPANESE-AUSTRALIAN PROPOSAL FOR INTELSAT 4) INTELSAT'S BASIC RATES FOR SERVICES AND THE THEORY BEHIND THE DETERMINATION OF INTERNATIONAL RATES 5) FREE USE OF INTELSAT'S SERVICES BY THE U.N. 6) THE EFFECT OF DOMESTIC SYSTEMS ON THE GOAL OF INTELSAT 7) THE OTP AND ITS RELATIONSHIP TO THE DEPARTMENT OF STATE 8) THE USIA AND ITS PLANNED USE OF SATELLITES 9) THE PURPOSE AND SCOPE OF AID 10) THE INDIAN AND BRAZILIAN SATELLITE PROJECTS AND THEIR RELATIONSHIP TO NASA AND 11) THE U.S.-JAPANESE SPACE COOPERATION AGREEMENT. THE INFORMATION PRESENTED COVERS A BROAD AREA, AND THE REPORT IS INTENDED AS MORE OF A STATE-OF-PROGRESS PRESENTATION THAN A DOCUMENT OFFERING RECOMMENDATIONS. INCLUDES APPENDICES DEALING WITH THE ABOVE MENTIONED AND RELATED SUBJECT MATTER. LC

5679C

BERGER, HAROLD

5679C

LEGAL PROBLEM-SUBJECTS OF COMMUNICATIONS SATELLITES IN AND OUT OF ORBIT

PENNSYLVANIA BAR ASSOCIATION QUARTERLY 34,3, P510-22, MARCH 1963

// UN ACT-1962

AT THE CURRENT RATE OF GROWTH, IT HAS BECOME EVIDENT THAT THE EXISTING MEANS OF TRANSATLANTIC COMMUNICATIONS SERVICE WILL SOON BE INADEQUATE. IN REALIZATION OF THIS PROBLEM, BOTH THE U.S. AND THE U.N. TOOK EARLY STEPS TO PROVIDE FOR A VIABLE GLOBAL COMMUNICATIONS SATELLITE SYSTEM. THE AUTHOR REVIEWS SOME OF THE BACKGROUND EVENTS LEADING TO PASSAGE OF THE COMMUNICATIONS SATELLITE ACT OF 1962 AND QUOTES ITS DECLARATION OF POLICY, WHICH DESCRIBES THE MAKEUP OF THIS GOVERNMENT-CREATED, PRIVATE CORPORATION AND DESCRIBES THE MEANS OF GOVERNMENT CONTROL OVER IT THROUGH NASA, FCC, AND THE OFFICE OF THE PRESIDENT. THE U.N. BEGAN TO PROVIDE FOR SPACE COMMUNICATION THROUGH THE ESTABLISHMENT OF THE U.N. AD HOC COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE, AND THE UNANIMOUS PASSAGE OF RESOLUTION 1721 (XVI) BY THE GENERAL ASSEMBLY ON DEC. 20, 1961. THE RESOLUTION CLEARLY SHOWED THE U.N.'S INTENTION TO CONTINUE EFFORTS TO ESTABLISH AN EFFECTIVE INTERNATIONAL SATELLITE COMMUNICATIONS SYSTEM. IN 1959 THE INTERNATIONAL INSTITUTE OF SPACE LAW, AS PART OF THE INTERNATIONAL ASTRONAUTICAL FEDERATION, WAS ESTABLISHED TO STUDY AND DEVELOP INTERNATIONAL SPACE LAW. THE LEGAL PROBLEMS UNDER STUDY BY THE WORKING GROUPS OF THE INSTITUTE ARE LISTED. THE AUTHOR FEELS THAT THE U.N. SHOULD TAKE OVER THE FUTURE DEVELOPMENT OF ANY INTERNATIONAL SATELLITE COMMUNICATION SYSTEM IN ORDER TO INSURE THE PEACEFUL EXPLORATION OF SPACE. HB

5807C

DOYLE, STEPHEN E.

5807C

AN ANALYSIS OF THE SOCIALIST STATES' PROPOSAL FOR INTERSPUTNIK, AN INTERNATIONAL COMMUNICATION SATELLITE SYSTEM

VILLANOVA LAW REVIEW 15,1, P83-105, FALL 1969

// INTERSPUTNIK INTELSAT GLOBAL-SYSTEMS SOVIET-VIEW

SEVERAL COMMUNIST MEMBER NATIONS OF THE U.N., ON AUG. 5, 1968, PROPOSED A DRAFT AGREEMENT FOR AN INTERNATIONAL COMMUNICATIONS SATELLITE SYSTEM (INTERSPUTNIK). DOYLE OFFERS A DETAILED ANALYSIS OF THE TWENTY-ARTICLE DRAFT AND DISCUSSES THE IMPLICATIONS OF EACH ARTICLE. IN SUMMARY, THE AUTHOR CONTRASTS INTERSPUTNIK WITH INTELSAT BY NOTING THAT THE FORMER HAS NO JOINT OWNERSHIP COMMITMENT PROVISION, STATES NO PROCUREMENT POLICY, HAS NO PROVISION FOR INTERPRETATION AND NO PROVISION FOR AN EXECUTIVE GOVERNING BODY. THE AUTHOR FEELS THAT INTERSPUTNIK, ALTHOUGH POTENTIALLY WORKABLE, WILL BE A VERY WEAK ORGANIZATION. HE CITES AS HIS REASONS THE FACT THAT ITS GOVERNING BODY WOULD BE BASED ON A ONE-MEMBER, ONE-VOTE BASIS AND THE FACT THAT TOO MUCH POWER WOULD BE PLACED IN THE HANDS OF ONE MAN - THE SECRETARIAT. THE AUTHOR FEELS THAT THE ORGANIZATION WILL BE OVERBURDENED BY AN OVERLY SIMPLIFIED STRUCTURE AND TOO GREAT A CONCENTRATION OF POWER. SEE 8463. HB

5821C

DOYLE, STEPHEN E.

5821C

DO WE REALLY NEED A FEDERAL DEPARTMENT OF TELECOMMUNICATIONS
FEDERAL COMMUNICATIONS BAR JOURNAL 21,1, P3-16, 1967

// ODTM

THIS ARTICLE SETS FORTH ARGUMENTS IN FAVOR OF THE CREATION OF A SINGLE, CENTRALIZED FEDERAL DEPARTMENT IN CHARGE OF COORDINATING TELECOMMUNICATIONS POLICY. AT THE TIME THIS WAS WRITTEN, TELECOMMUNICATIONS POLICY WAS STATED IN VARYING EXECUTIVE ORDERS, LEGISLATIVE PROPOSALS, AND ADMINISTRATIVE ORDERS, AFFECTING A GREAT MANY AGENCIES IN BOTH THE PUBLIC AND PRIVATE SECTORS. THE ARTICLE QUOTES THE TESTIMONY OF JAMES D. O'CONNELL, DIRECTOR OF THE OFFICE OF EMERGENCY PLANNING'S OFFICE OF TELECOMMUNICATIONS MANAGEMENT (ODTM), BEFORE A SENATE COMMITTEE, IN WHICH HE ARGUED FOR A REORGANIZATION OF THE ODTM, AND WHERE HE LISTED THE GOALS OF HIS PROPOSED REORGANIZATION. THE AUTHOR LISTS FOUR ALTERNATIVE SUGGESTIONS CONCERNING THE FUTURE OF ODTM IN RELATION TO CREATING A NEW DEPARTMENT OF TELECOMMUNICATIONS (DEPTEL). HE CITES A 1960 REPORT BY THE SENATE AERONAUTICAL AND SPACE SCIENCES COMMITTEE, WHICH RECOMMENDED THE ORGANIZATION OF A CENTRALIZED OFFICE FOR THE ADMINISTRATION OF TELECOMMUNICATIONS POLICY, TO STRENGTHEN HIS CONTENTION THAT NOT ONLY WAS THERE A DEFINITE NEED RECOGNIZED, BUT THAT DEPTEL WOULD EVENTUALLY ATTAIN CABINET STATUS. HB

5851C

Moulton, Horace P.

5851C

COMMUNICATIONS SATELLITES, THE PROPOSED COMMUNICATIONS-SATELLITE-ACT OF 1962
BUSINESS LAW 18,1, P173-80, NOV 1962

// FCC OWNERSHIP

FOR MANY YEARS THE U.S. GOVERNMENT HAS TRIED TO DETERMINE WHAT ENTITY SHOULD BE RESPONSIBLE FOR CONSTRUCTING A DOMESTIC SATELLITE COMMUNICATIONS SYSTEM. THE INTEREST CREATED WHEN JOHN PIERCE FIRST POINTED OUT THE FEASIBILITY OF PLACING MICROWAVE STATIONS IN ORBIT CULMINATED IN AN FCC INQUIRY ON THE SUBJECT. ALTHOUGH SOME PARTIES ADVOCATED PUBLIC OPERATION, PRESIDENT KENNEDY OPTED FOR PRIVATE OWNERSHIP. THUS, THE FCC APPOINTED AN AD HOC COMMITTEE TO DEVISE AN OWNERSHIP SCHEME TO BE SUBMITTED TO CONGRESS. THIS PLAN ESTABLISHED REGULATORY DEVICES AND CALLED FOR CLASS A STOCK FOR ALL INTERESTED PARTIES AND CLASS B, NON-VOTING STOCK FOR THE COMMON CARRIERS. IN COMMITTEE, A COMPROMISE BILL WAS FORMULATED CALLING FOR 50 PER CENT OF THE CORPORATION'S STOCK TO BE SOLD PUBLICLY AND 50 PER CENT TO BE RESERVED FOR THE COMMON CARRIERS. EACH OF THESE TWO GROUPS WOULD ELECT SIX DIRECTORS AND THE PRESIDENT WOULD APPOINT THREE MORE. ALSO, THIS BILL MODIFIED THE REGULATORY DEVICES OF THE PREVIOUS BILL. THE FIRST STOCK OFFERING WILL CREATE MUCH RESPONSIBILITY FOR THE INCORPORATORS, SINCE THE BILL CALLS FOR THE WIDEST POSSIBLE STOCK DISTRIBUTION. IF PASSED, THE BILL WILL FOSTER U.S. LEADERSHIP IN SPACE COMMUNICATIONS AND WILL PROVIDE A WORKABLE INSTRUMENT FOR ESTABLISHING AN OPERABLE COMMUNICATIONS SATELLITE SYSTEM AT THE EARLIEST PRACTICABLE TIME. FK

5852C

THE COMMUNICATIONS-SATELLITE-ACT OF 1962
HARVARD LAW REVIEW 76,2, P388-400, DEC 1962

5852C

THIS ARTICLE IS AN ANNOTATED DESCRIPTION AND EXPLANATION OF THE VARIOUS PROVISIONS OF THE COMMUNICATIONS SATELLITE ACT OF 1962. ACCORDING TO THE AUTHOR, THE ACT REPRESENTS AN EFFORT TO DEVELOP GUIDELINES FOR THE PROGRESS EXPECTED IN SPACE COMMUNICATION WITH THE ADVENT OF A PRACTICABLE COMMERCIAL SATELLITE SYSTEM. THE AUTHOR, AFTER DESCRIBING THE LEGISLATIVE AND HISTORICAL BACKGROUND OF THE ACT, GROUPS RELEVANT PROVISIONS TOGETHER AND DISCUSSES THEIR IMPLICATIONS AND THE MANNER IN WHICH THEY CAME ABOUT. THE ARTICLE BREAKS THE ACT DOWN AND DISCUSSES IT UNDER THE HEADINGS I) PROVISIONS II) FUNCTIONING OF THE CORPORATION AND THE REGULATORY STRUCTURE A) POWERS AND RELATIONS OF THE REGULATORS B) THE BOARD OF DIRECTORS C) CAPITALIZATION III) CONTROL OF COMPETITION IV) TERMINAL STATIONS. HB

5883C

Wozencraft, Frank M.

5883C

THE INTELSAT ARBITRATION AGREEMENT, A PATTERN FOR THE FUTURE
INTERNATIONAL LAWYER 3,4, P759-69, JULY 1969

// ICSC

THE 1966 INTELSAT ARBITRATION AGREEMENT IS UNLIKE SIMILAR TREATIES IN THAT IT PROVIDES A CLEAR AND POTENTIALLY EFFICIENT MEANS FOR SETTLING INTERNATIONAL DISPUTES. SPECIFICALLY, THE TREATY DIFFERS FROM COMPARABLE AGREEMENTS IN THREE MAIN WAYS. FIRST, IT ESTABLISHES AN OUTSIDE TRIBUNAL WHICH CAN REVIEW THE LEGALITY OF THE ACTIONS OR FAILURES TO ACT OF THE INTERIM COMMITTEE, INTELSAT'S GOVERNING BODY. SECOND, IT APPOINTS ARBITRATORS IN A UNIQUE WAY. LIKE MOST ARBITRATION AGREEMENTS, IT CALLS FOR AN AD HOC TRIPARTITE TRIBUNAL WITH TWO ARBITRATORS APPOINTED BY THE TWO DISPUTING COUNTRIES. HOWEVER, WHEREAS SIMILAR TREATIES CALL FOR THESE TWO ARBITRATORS TO AGREE ON THE CHOICE OF A THIRD ARBITRATOR, THE INTELSAT AGREEMENT CALLS FOR THE THIRD ARBITRATOR TO BE APPOINTED BY THE CHAIRMAN OF A SEVEN MAN PANEL, WHICH HAS BEEN SELECTED BY INTELSAT MEMBERS FROM A LARGE GROUP OF EXPERTS. THE THIRD UNIQUE FEATURE OF THE INTELSAT ARBITRATION AGREEMENT IS THAT IT PRESENTS A SIMPLE, EXPEDITIOUS, INEXPENSIVE, CONFIDENTIAL AND BASICALLY CLEAR ARBITRATION PROCEDURE IN ACCORDANCE WITH GENERALLY ACCEPTED PRINCIPLES OF LAW. WHILE NO ARBITRATION CASES HAVE YET BEEN INITIATED, THE PROVISIONS OF THIS AGREEMENT MAY PROVIDE USEFUL PRECEDENTS FOR OTHER, URGENTLY NEEDED ARBITRATION AGREEMENTS. FK

RECID INDEX

5884C

ALLNUTT, ROBERT F.

5884C

PATENT POLICY FOR COMMUNICATIONS SATELLITES, A UNIQUE VARIATION

MARQUETTE LAW REVIEW 46,1, P63-78, SUMMER 1962

// AT-T

THIS ARTICLE EXAMINES THE QUESTION OF THE DISPOSITION OF PATENT RIGHTS INsofar AS INVENTIONS ARISING FROM CURRENT COMMUNICATIONS SATELLITE RESEARCH IS CONCERNED. NASA IS THE FEDERAL AGENCY MOST CONCERNED WITH THE DEVELOPMENTAL STAGES OF COMMUNICATION SATELLITES, AND ITS PATENT RIGHTS POLICY IS BASED ON SECTION 305 OF THE SPACE ACT. NASA'S PATENT PROCUREMENT CONTRACTS, MUCH LIKE THE AEC'S, REQUIRE THE PROMPT REPORTING OF EACH INVENTION MADE IN CONJUNCTION WITH A FEDERAL CONTRACT. EACH INVENTION BECOMES THE EXCLUSIVE PROPERTY OF THE U.S. GOVERNMENT, SUBJECT TO WAIVER WHEN SUCH WAIVER IS VIEWED AS BEING IN THE PUBLIC INTEREST BY THE ADMINISTRATOR OF NASA. AFTER NASA'S SUCCESSFUL ECHO I LAUNCH, BUT PRIOR TO ITS REQUEST FOR PROPOSALS, AT+T SUGGESTED TO NASA THAT AT+T BUILD SUCH SATELLITES AT THEIR OWN EXPENSE IF NASA WOULD LAUNCH THEM. THE RESULT OF THIS AGREEMENT FROM A PATENT POLICY POINT OF VIEW WAS THAT AT+T RECEIVED TITLE TO ANY PATENTS RESULTING FROM THE CONTRACT. THIS WAS THE FIRST TIME NASA HAD WAIVED ITS RIGHTS TO ANY INVENTIONS WHICH MIGHT BE MADE. THE ARTICLE ILLUSTRATES THE IMPLICATIONS OF THIS THROUGH SEVERAL HYPOTHETICAL EXAMPLES. THE DEPARTMENT OF DEFENSE, WHICH HAD WORKED TO DEVELOP A MILITARY COMMUNICATIONS NETWORK THROUGH THE TIROS SATELLITE, ANNOUNCED ON OCT. 16, 1961, THE IMPLEMENTATION OF A PATENT PROCUREMENT POLICY SIMILAR TO NASA'S. FOR THE FIRST TIME, RESEARCH AND DEVELOPMENT WAS BEING CONDUCTED UNDER UNIFORM PATENT RIGHT GROUND RULES. HB

5889C

COLINO, RICHARD R.

5889C

INTERNATIONAL SATELLITE TELECOMMUNICATIONS AND DEVELOPING-COUNTRIES

JOURNAL OF LAW AND ECONOMIC DEVELOPMENT 3,1, P8-41, SPRING 1968

// UN ITU COMSAT LATIN-AMERICA PACIFIC

THE TABLE OF CONTENTS CAN BEST OUTLINE THIS LENGTHY WORK. I) TELECOMMUNICATIONS FACILITIES AND DEVELOPMENT A) CORRELATION B) INDICATORS OF TELECOMMUNICATIONS DEVELOPMENT C) NARROWING THE INTERNATIONAL TELECOMMUNICATION GAP 1) SUBMARINE CABLE 2) COMMUNICATIONS SATELLITES 3) THE CHOICE, SUBMARINE CABLES OR COMMUNICATION SATELLITES. II) THE SOCIAL RESPONSE A) ACTIVITIES IN THE U.S. 1) GOVERNMENTAL RESPONSE 2) ACTIVITIES OF THE COMMUNICATIONS SATELLITE CORPORATION B) THE U.N. 1) SPECIALIZED AGENCIES OF THE U.N. C) THE ITU D) OTHER INTERNATIONAL ORGANIZATIONS. III) THE INTERNATIONAL TELECOMMUNICATIONS SATELLITE CONSORTIUM. IV) FOCUS ON LATIN AMERICA A) NATIONAL RESPONSES TO INTELSAT B) BENEFITS OF PARTICIPATION IN INTELSAT C) SUMMING UP LATIN AMERICA. V) SURVEY OF OTHER DEVELOPING AREAS A) SUB-SAHARA AFRICA B) THE MIDDLE EAST C) PAKISTAN D) ASIA AND THE PACIFIC AREA. VI) CONCLUSION. 'THE PROMISE WHICH INTERNATIONAL SATELLITE TELECOMMUNICATION HOLDS FOR DEVELOPING NATIONS IS WELL ADVANCED TOWARDS BECOMING A REALITY. THE RESPONSES NECESSARY TO THE EXPLOITATION OF A NEW TECHNOLOGICAL RESOURCE HAVE BEEN FORTHCOMING - AND DEVELOPING NATIONS HAVE BEEN IN THE VANGUARD OF THOSE NATIONS WHICH HAVE REPLIED TO THE OPPORTUNITY AND THE CHALLENGE. THE BREADTH OF THE GAP BETWEEN DEVELOPED AND DEVELOPING NATIONS CAN BE AND HAS BEEN NARROWED IN THE AREA OF INTERNATIONAL TELECOMMUNICATIONS. WITH THE INTRODUCTION OF SATELLITE TELECOMMUNICATIONS THE DEVELOPING NATIONS OF THE WORLD HAVE ACQUIRED A SIGNIFICANT TOOL IN THE CRUSADE TO HASTEN THE DEVELOPMENT PROCESS.' DW

5897C

COLINO, RICHARD R.

5897C

INTELSAT, DOING BUSINESS IN OUTER-SPACE

COLUMBIA JOURNAL OF TRANSNATIONAL LAW 6,1, P17-60, SPRING 1967

// UN COMSAT EARC ICSC

WORKING UNDER EFFICIENT INTERIM ARRANGEMENTS, INTELSAT HAS BEEN A SUCCESS BECAUSE OF EFFECTIVE INTERNATIONAL COOPERATION. THIS COOPERATION HAS BEEN FOSTERED BY 1) NASA'S COOPERATION WITH OTHER COUNTRIES 2) U.N. RESOLUTIONS CREATING THE SOCIAL FRAMEWORK FOR SATELLITE COMMUNICATION 3) THE EARC'S FREQUENCY ALLOCATIONS TO SATELLITES AND 4) COMSAT, WHOSE GOAL IS TO SPEEDILY ESTABLISH A SINGLE GLOBAL SATELLITE SYSTEM. ARISING FROM MEETINGS IN 1962 AND 1963, INTELSAT'S INTERIM ARRANGEMENTS, WHICH ARE FUNCTION-ORIENTED RATHER THAN STRICTLY ORGANIZATIONAL, CALL FOR 1) JOINT OWNERSHIP OF THE SATELLITE SYSTEM, WITH SEPARATE OWNERSHIP OF EARTH STATIONS 2) INVESTMENT, OWNERSHIP AND VOTING QUOTAS PROPORTIONAL TO PROBABLE USE (THUS GIVING COMSAT A MAJORITY OF VOTES) AND 3) THE CREATION OF THE POSITION OF MANAGER, WHICH IS FILLED BY COMSAT, AND THE ICSC, WHICH HAS THE RESPONSIBILITY TO RUN INTELSAT. OTHER AREAS COVERED BY THE INTERIM ARRANGEMENTS ARE PROCUREMENT, RIGHTS ACQUIRED BY INTELSAT, FINANCIAL CONTRIBUTIONS, AND ARBITRATION. DEFINITIVE ARRANGEMENTS WILL SOON REPLACE THE INTERIM ONES. INCLUDES EXTENSIVE HISTORICAL TREATMENT AND DESCRIPTIVE FOOTNOTES. FK

5898C

DIRLAM, JOEL B. * KAHN, ALFRED E.

5898C

THE MERITS OF RESERVING THE COST-SAVINGS FROM DOMESTIC COMMUNICATIONS SATELLITES FOR SUPPDRT OF EDUCATIONAL TELEVISION

YALE LAW JOURNAL 77,3, P494-519, JAN 1968

// FORD-FOUNDATION ETV

THIS ARTICLE IS RESTRICTED TO THE ECONOMIC FEASIBILITY OF THE FORD FOUNDATION'S PROPOSAL TO SET UP A NON-PROFIT DOMESTIC SATELLITE SYSTEM AND USE THE RESULTANT COST SAVINGS TO SUBSIDIZE EDUCATIONAL TELEVISION. THE ARTICLE IS BASED ON AN UNDERLYING SUPPOSITION THAT NETWORK INTERCONNECTIONS VIA SATELLITE WILL BE LESS EXPENSIVE THAN CURRENT TERRESTRIAL INTERCONNECTIONS. THE AUTHORS FEEL THAT THE FORD PROPOSAL'S TAX CONSEQUENCES WILL BE EVENLY DISTRIBUTED, AND ITS EFFECT UPON SUPPLY AND DEMAND FLOW WILL BE SLIGHT. SUCH AID TO ETV WILL ALSO RESULT IN A BETTER ALLOCATION OF RESOURCES WITHIN THE TELEVISION INDUSTRY. ALLOCATING THE COST SAVINGS TO THE NETWORKS WILL RESULT IN AN INCREASE IN NETWORK PROFITS, BUT WILL NOT LIKELY LEAD TO REDUCED RATES FOR ADVERTISERS. ALTHOUGH NETWORK AFFILIATES WILL LIKELY RECEIVE AN INCREASE IN THE DISTRIBUTION OF PROFITS DUE TO NETWORK COMPETITION FOR AFFILIATES, THERE IS NO ECONOMIC REASON TO JUSTIFY CLAIMS OF IMPROVED PROGRAM QUALITY. THE AUTHORS ALSO DISMISS THE POSSIBILITY OF THE ENTRANCE OF A FOURTH NETWORK DUE TO REDUCED COSTS, ALTHOUGH THEY SUGGEST THAT THE INCREASE OF UHF NON-AFFILIATE STATIONS MIGHT FOSTER A FOURTH NETWORK. THE AUTHORS FEEL THAT FROM AN ECONOMIC POINT OF VIEW, THE FORD FOUNDATION TAX PROPOSAL IS A VERY ATTRACTIVE AND FAIR ONE, AND THAT IT IS WORTHWHILE TO CONSIDER THE POSSIBLE BENEFIT TO ETV. HB

RECIO INDEX

5899C

CHAYES, ABRAM (PANEL CHAIRMAN)

5899C

PANEL, INTERNATIONAL COOPERATION IN SATELLITE COMMUNICATION SYSTEMS
 AMERICAN SOCIETY OF INTERNATIONAL LAW PROCEEDINGS 61, P23-49, APRIL 1967
 // INTELSAT DOMESTIC-SYSTEMS ETV DEVELOPING-COUNTRIES UN

CHAIRED BY ABRAM CHAYES, THIS PANEL CONSISTED OF THREE ADDRESSES FOLLOWED BY A QUESTION AND ANSWER SESSION. CITING THE GREAT PROGRESS OF INTELSAT SINCE 1964, JOHN A. JOHNSON OF COMSAT ARGUED THAT INTELSAT'S DEFINITIVE ARRANGEMENTS, TO BE DRAWN UP IN 1969, SHOULD BE BASED ON THE CURRENT INTERIM ONES WHICH INCLUDE THE 1966 ARBITRATION AGREEMENT, THE 1964 AGREEMENT, AND THE 1964 SPECIAL AGREEMENT WHICH STRESSES THE NEED FOR UNITARY OPERATION OF A NON-DISCRETIONARY GLOBAL SATELLITE SYSTEM, BUT ALSO PROVIDES FOR SEPARATE OWNERSHIP OF EARTH STATIONS. NOTING THAT SATELLITE TELECOMMUNICATION CAN AID EDUCATION, ESPECIALLY IN DEVELOPING COUNTRIES, AND CAN DIMINISH CULTURAL DIFFERENCES BY INCREASING UNDERSTANDING, ROBERT K. WOETZEL OF BOSTON COLLEGE ADVOCATED CREATING A NEW U.N. AGENCY WHICH COULD INCORPORATE THE BEST CHARACTERISTICS OF THE VARIOUS INSTITUTIONAL MODELS WHICH NOW EXIST. THE THIRD SPEAKER, LEE R. MARKS OF THE DISTRICT OF COLUMBIA BAR, STATED THAT DOMESTIC SATELLITE SYSTEMS COULD BE A BENEFICIAL SUPPLEMENT TO A SINGLE INTERNATIONAL ONE. FOR EXAMPLE, ONE PROPOSAL WOULD GRANT A PORTION OF REVENUES TO BE GAINED FROM SATELLITES TO AMERICAN ETV. THE U.S., HOWEVER, MUST DECIDE UPON THE INSTITUTIONAL ARRANGEMENTS FOR SUCH A SYSTEM. IN THE DISCUSSION FOLLOWING MARKS' SPEECH, CONCERN WAS EXPRESSED OVER INTELSAT'S QUOTA VOTING SYSTEM THROUGH WHICH THE U.S. CONTROLS OVER 50 PER CENT OF INTELSAT'S VOTES. A STATEMENT BY PENNA LASHNIKANTH RAO OF SMU CONCLUDED THE PANEL. FK

5902C

KIRKPATRICK, W. WALLACE

5902C

ANTITRUST IN ORBIT

GEORGE WASHINGTON LAW REVIEW 33,1, P89-120, OCT 1964

// FCC COMMON-CARRIERS PATENTS AT-T ACT-1962

BY GRANTING COMSAT CONTROL OF THE 'NATURAL MONOPOLY' OF SATELLITE DEVELOPMENT, THE COMMUNICATIONS SATELLITE ACT OF 1962 HAS RAISED MANY ANTI-TRUST PROBLEMS WHICH HAVE NOT BEEN SATISFACTORILY ANSWERED. IN 1961, THE FCC FIRST PROPOSED A NONPROFIT CORPORATION, OWNED BY INTERNATIONAL COMMON CARRIERS, TO DEVELOP A COMMERCIAL SATELLITE SYSTEM. INSTEAD, THE 1962 ACT ESTABLISHED COMSAT AS A PROFIT-MAKING CORPORATION, WHICH MADE 50 PER CENT OF ITS STOCK AVAILABLE TO COMMON CARRIERS AND 50 PER CENT AVAILABLE TO OTHER PRIVATE INTERESTS. THE 1962 ACT, WHICH WAS PASSED OVER THE PLEAS OF SENATORS WHO FAVORED GOVERNMENT OWNERSHIP, EXEMPTED THE STRUCTURE OF COMSAT FROM ANTI-TRUST PROSECUTION, BUT ALSO DECLARED THAT ANTI-TRUST LAWS ARE OTHERWISE APPLICABLE TO COMSAT. ALTHOUGH COMSAT'S STOCK WAS SOLD IN A WAY DESIGNED TO INSURE AS MUCH OWNERSHIP DIVERSIFICATION AS POSSIBLE, AT+T HAS STILL ATTAINED A DOMINANT AND POTENTIALLY UNHEALTHY POSITION WITHIN COMSAT. ALSO, SUBSIDIARIES OF AT+T, IT+T AND SOME OTHER COMMON CARRIERS POSSESS AN UNFAIR ADVANTAGE OVER OTHER PRIVATE COMPANIES FROM WHICH COMSAT PROCURES GOODS. THE DESIRE OF COMMON CARRIERS TO PROTECT THEIR INVESTMENT IN CABLE, A DIRECT COMPETITOR OF SATELLITES, COULD ALSO SERVE TO REDUCE COMPETITION. THE AUTHOR CONCLUDES THAT IT WOULD BE UNFORTUNATE IF THE FUTURE SAW A GREATER RELIANCE ON COMSAT-LIKE STRUCTURES CREATED THROUGH SPECIAL LEGISLATION, RATHER THAN A RELIANCE ON THE GENERAL ANTI-TRUST LAWS. HEAVILY FOOTNOTED. FK

5904C

SCHWARTZ, HERMAN

5904C

COMSAT, THE CARRIERS, AND THE EARTH-STATIONS. SOME PROBLEMS WITH MELDING VARIEGATED INTERESTS

YALE LAW JOURNAL 76,3, P441-84, JAN 1967

// CABLE COMPETITION FCC

COMSAT, WHICH IS OWNED JOINTLY BY THE PUBLIC AND BY COMMON CARRIERS, IS TOO BURDENED WITH CONFLICTING INTERESTS TO DEVELOP SATELLITE COMMUNICATION EFFECTIVELY. IN THE OPINION OF THE AUTHOR, THE DESIRE OF COMMON CARRIERS TO DEVELOP AND FOSTER SERVICES WHICH COMPETE WITH THEIR OWN OPERATIONS MUST BE SUSPECT. THE FCC'S EARTH STATION RULING, GRANTING JOINT OWNERSHIP OF EARTH STATIONS TO COMSAT AND THE CARRIERS, HAS COMPOUNDED THE PROBLEM BY GRANTING THE CARRIERS A VETO OVER ANY ACTIONS PERTAINING TO EARTH STATIONS. THE CARRIERS DESIRED TO PARTICIPATE TO PROTECT THEIR RATE BASE, WHILE THE FCC WANTED TO INVOLVE THE CARRIERS TO USE THEIR KNOWLEDGE AND EXPERIENCE FOR SATELLITE DEVELOPMENT. THE FCC'S AUTHORIZED USER RULING RESTRICTED COMSAT'S PARTICIPATION IN THE RETAILING INDUSTRY TO PREVENT ITS COST ADVANTAGES FROM DRIVING THE CARRIERS OUT OF BUSINESS. THESE THREE FCC RULINGS HURT COMPETITION, AS DOES THE CARRIERS' POSITION AS A FAVORED SUPPLIER OF COMSAT'S NEEDED INPUTS. CRITICISM OF THE FCC'S ACTIONS IS JUSTIFIED, SINCE CARRIER OWNERSHIP ADDS TOO LITTLE TO JUSTIFY ITS POTENTIAL HARM, USING A PRIVATE CHOSEN INSTRUMENT (I.E., COMSAT) CREATES INHERENT PROBLEMS, AND THE CURRENT SUCCESS OF COMSAT IS THE RESULT OF THE RARE COMBINATION OF VIGOROUS REGULATION AND AGGRESSIVE MANAGEMENT. INCLUDES EXTENSIVE FOOTNOTES. FK

5905C

ESTEP, SAMUEL D.

5905C

INTERNATIONAL LAWMAKERS IN A TECHNOLOGICAL WORLD, SPACE COMMUNICATIONS AND NUCLEAR ENERGY

GEORGE WASHINGTON LAW REVIEW 33,1, P162-80, OCT 1964

// ITU IFRB

THE ITU AND THE IAEA ARE TWO AGENCIES WHICH HAVE COME TO PERFORM THE FUNCTIONS OF INTERNATIONAL LAWMAKERS, DESPITE THE MINIMAL INTEREST AND INFLUENCE OF LAWYERS IN THE AREAS OF TELECOMMUNICATIONS AND ATOMIC ENERGY. THE ITU, WHICH IS GIVEN THE MAJOR EMPHASIS IN THIS ARTICLE, WAS ORIGINALLY CONCERNED WITH ONLY TECHNICAL PROBLEMS. HOWEVER, WITH THE ADVENT OF COMMUNICATIONS SATELLITES, LEGAL PROBLEMS BEFORE THE ITU ARE TAKING ON MAJOR IMPORTANCE. THE HISTORY OF THE ITU IS BRIEFLY DESCRIBED, AND ITS STRUCTURE EXPLAINED. IT CONSISTS OF A SECRETARIAT, A GROUP OF TECHNICAL CONSULTING BODIES, AND THE INTERNATIONAL FREQUENCY REGISTRATION BOARD (IFRB). THE MAJOR CONCERN OF THE ITU HAS BEEN FREQUENCY ALLOCATIONS, AND AT A CONFERENCE IN 1963, A REVOLUTIONARY PROPOSAL WAS PRESENTED ALLOCATING FREQUENCIES FOR SPACE COMMUNICATIONS SATELLITES ON THE SAME BANDS BEING USED BY MICROWAVE RELAY SYSTEMS ON EARTH. THE FINAL ADOPTION OF THIS PROPOSAL WAS BASED NOT ON TECHNICAL BUT RATHER ON POLICY CONSIDERATIONS MENTIONED IN THE ARTICLE. INFORMAL DISCUSSIONS ALSO TOOK PLACE CONCERNING THE EXPANSION OF IFRB INTO A REGULATORY AGENCY WITH ENFORCEMENT POWERS. THE AUTHOR CONCLUDES THAT THIS CONSIDERATION OF POLICY WILL CONTINUE, AND THE ITU AND THE IAEA WILL BECOME SIGNIFICANT LAWMAKERS IN THEIR FIELDS. HB

5907C

LEVIN, HARVEY J.

5907C

ORGANIZATION AND CONTROL OF COMMUNICATIONS SATELLITES
 UNIVERSITY OF PENNSYLVANIA LAW REVIEW 113,3, P315-57, JAN 1965
 // COMSAT ANTITRUST COMMON-CARRIERS OWNERSHIP

THIS ARTICLE IS AN EXAMINATION OF THE REASONS AND POLICIES BEHIND CONGRESS' CHOICE OF A PRIVATE JOINT-VENTURE FORM FOR DEVELOPING A GLOBAL SATELLITE COMMUNICATIONS SYSTEM, RATHER THAN ANY OTHER METHOD OF DEVELOPMENT. THE AUTHOR REVIEWS THE REJECTED ALTERNATIVES IN ORDER TO APPRAISE COMSAT'S FUTURE AND DISCUSSES POTENTIAL DANGERS TO ITS ABILITY TO FULFILL THE EXPECTATIONS OF ITS SPONSORS. THE ARTICLE DEALS WITH THE ROLES OF THE COMMON CARRIERS, THE EQUIPMENT MANUFACTURERS, AND THE GOVERNMENT, IN THE EMERGING ECONOMIC AND REGULATORY FRAMEWORK WITHIN WHICH A SATELLITE COMMUNICATION SYSTEM WILL BE DEVELOPED, AND IT DISCUSSES THE ADVANTAGES AND DISADVANTAGES OF ALTERNATE CHOICES IN RELATION TO ACHIEVING THE NATIONAL GOALS SET FORTH IN THE COMMUNICATIONS SATELLITE ACT OF 1962. SINCE THE POLICIES THEMSELVES ARE INHERENTLY IN CONFLICT WITH EACH OTHER, THE AUTHOR CONCLUDES THAT THE COMSAT IDEA PRESENTED THE BEST WAY TO RECONCILE THE DESIRES OF SPEEDY GROWTH, WIDE DIFFUSION, SERVICE TO UNPROFITABLE MARKETS, AND PRIVATE OWNERSHIP. IN ORDER TO EVALUATE COMSAT'S EFFECTIVENESS, THE AUTHOR EXAMINES WHETHER CONGRESS SUCCEEDED IN PREVENTING COMSAT FROM ELIMINATING POTENTIAL COMPETITION, DISCRIMINATING AGAINST POTENTIAL USERS AND SUPPLIERS, AND RETARDING TECHNICAL PROGRESS. WHETHER COMSAT IS TO SUCCEED WILL DEPEND ON BOTH ITS INTERNAL, ANTITRUST-REGULATORY SAFEGUARDS, AND EXTERNAL CONSTRAINT BY CONGRESS. HB

5912C

STOLUSKY, WARREN G.

5912C

UNAUTHORIZED INTERCEPTION OF SPACE ORIENTED TELECOMMUNICATIONS
 FEDERAL BAR JOURNAL 25,4, P412-21, FALL 1965
 // ACT-1934 PIRACY

THIS ARTICLE DEALS SPECIFICALLY WITH THE QUESTION OF UNAUTHORIZED INTERCEPTIONS OF AUDIO TRANSMISSIONS BETWEEN NASA GROUND STATIONS AND ORBITING NASA SPACECRAFT BY TELEVISION FACILITIES WITHIN THE U.S. THE TV NETWORKS CONSIDER SUCH MONITORING TO BE WITHIN THE SCOPE OF NEWSGATHERING, BUT NASA DISAGREES. BASICALLY, THE QUESTION IS WHETHER SECTION 605 OF THE COMMUNICATIONS ACT OF 1934, WHICH PROHIBITS THE UNAUTHORIZED PUBLICATION OR USE OF COMMUNICATIONS, IS APPLICABLE TO THIS SITUATION. SPACE SATELLITE COMMUNICATION DID NOT EXIST AT THE TIME THIS ACT WAS PASSED. THE ARTICLE DISCUSSES THE CONSTITUTIONAL ISSUES, FREEDOM OF THE PRESS VERSUS THE RIGHT OF PRIVACY, AND THE APPLICABILITY OF SECTION 605 TO A SITUATION WHICH WAS NOT CONSIDERED AT THE TIME OF ITS PASSAGE, AND CONCLUDES THAT THE ACT CAN BE PROSPECTIVELY APPLIED. ALTHOUGH THE QUESTION HAS NOT YET BEEN LITIGATED, THE AUTHOR FEELS THAT SUCH INTERCEPTION OF NASA COMMUNICATIONS WOULD VIOLATE THE THREE ASPECTS OF SECTION 605 WHICH SPECIFIES THAT A TRANSMISSION WHERE THERE IS AN ACTUAL INTERCEPTION, WITHOUT THE AUTHORIZATION OF THE SENDER, AND USED FOR THE BENEFIT OF THE INTERCEPTOR IS ILLEGAL. HB

5913C

SCHRADER, GEORGE D.

5913C

THE COMMUNICATIONS-SATELLITE-CORPORATION, A NEW EXPERIMENT IN GOVERNMENT AND BUSINESS
 KENTUCKY LAW JOURNAL 53,4, P732-42, SUMMER 1965
 // FCC ACT-1962 COMMON-CARRIER OWNERSHIP

THIS IS AN EXAMINATION OF THE CONGRESSIONAL ATTEMPT TO PLACE THE RESPONSIBILITY FOR THE CREATION OF A GLOBAL COMMUNICATIONS SATELLITE SYSTEM IN THE HANDS OF A PRIVATE CORPORATION EXPRESSLY CREATED FOR THIS PURPOSE BY THE CONGRESS. THE ARTICLE DISCUSSES THE PROBLEMS AND IMPLICATIONS OF PRIVATE VERSUS GOVERNMENT OWNERSHIP. CONGRESS SET UP GUIDELINES FOR SELECTING THE BOARD OF DIRECTORS AND ESTABLISHED LIMITATIONS ON OWNERSHIP OF THE CORPORATION'S SHARES OF STOCK. ALTHOUGH SECTION 301 OF THE COMMUNICATIONS SATELLITE ACT SPECIFICALLY STATES THAT THE COMMUNICATIONS SATELLITE CORPORATION (CSC) IS NOT AN AGENCY OF THE GOVERNMENT, THE AUTHOR FEELS THAT, PRACTICALLY SPEAKING, THIS IS AN OPEN QUESTION WHICH MUST AWAIT COURT DETERMINATION. ARGUMENTS AGAINST THE CONCEPT OF PRIVATE OWNERSHIP REVOLVE AROUND THE FACTS THAT ALL THE ELEMENTS NEEDED FOR AN OPERATIONAL SATELLITE SYSTEM HAVE ALREADY BEEN PAID FOR BY THE TAXPAYERS, AND THAT IF THIS WERE TO BE A TRULY INTERNATIONAL PROGRAM, THE OFFICE OF THE PRESIDENT AND THE STATE DEPARTMENT MUST NECESSARILY BE INCLUDED. UNDER VARYING SECTIONS OF THE ENABLING ACT, THE PRESIDENT IS GRANTED SEVERAL INTERVENING POWERS WHICH CAUSE THE PRIVATE STATUS OF THE CORPORATION TO COME INTO QUESTION. THE CSC, UNDER SECTION 401 OF THE ENABLING ACT, HAS BEEN DESIGNATED AS A COMMON CARRIER, AND COMES UNDER THE CONTROL OF THE FCC. SINCE THE ESTABLISHMENT OF THE CSC AT THIS TIME WOULD BE PREMATURE, THE AUTHOR QUESTIONS ITS FUTURE, BUT DOES NOT EXPAND THIS CRITICISM. THE ARTICLE NOTES THE GREAT INTEREST THAT HAS BEEN SHOWN IN THE CSC BY THE COMMON CARRIER INDUSTRY. HB

5914C

DOYLE, STEPHEN E.

5914C

COMMUNICATION SATELLITES, INTERNATIONAL ORGANIZATION FOR DEVELOPMENT AND CONTROL
 CALIFORNIA LAW REVIEW 55,2, P431-48, MAY 1967
 // DIRECT-BROADCASTING GLOBAL-SYSTEMS COMSAT INTELSAT

THIS ARTICLE DEALS WITH THE PROBLEM OF ORGANIZING AN INTERNATIONAL COOPERATIVE TO DEVELOP AND EXPLOIT A GLOBAL COMMUNICATIONS SATELLITE SYSTEM. IN AUGUST 1964, AN INTERNATIONAL INTERIM AGREEMENT WAS SIGNED UNDER THE AUSPICES OF INTELSAT, PRODUCING AN INTERNATIONAL CONSORTIUM. THE INTERIM AGREEMENT WAS SET UP FOR A PERIOD OF FIVE YEARS, ALLOWING THE ICSC TO MAKE RECOMMENDATIONS FOR THE ESTABLISHMENT OF A PERMANENT INTERNATIONAL AGREEMENT. THE CONSORTIUM ITSELF IS A PARTNERSHIP ARRANGEMENT POSSESSING AN IDENTITY DISTINCT FROM ITS PARTICIPATING MEMBERS, WITH THE ICSC SERVING AS ITS POLICY-MAKING BODY. THE ARTICLE DESCRIBES COMSAT, THE CORPORATION CREATED BY THE U.S. CONGRESS TO REPRESENT THE INTERESTS OF THE U.S. IN THE ESTABLISHMENT OF A GLOBAL COMMUNICATIONS SYSTEM, AS A PRIVATE CORPORATION OWNED EQUALLY BY THE COMMON CARRIERS AND THE STOCKHOLDING PUBLIC. THE ARTICLE DEALS WITH THE PROBLEMS OF TECHNOLOGICAL INCOMPATIBILITY, SINCE DIFFERENT NATIONAL SATELLITE SYSTEMS USE TELECOMMUNICATION STANDARDS WHICH CANNOT BE INTEGRATED. THE ITU HAS NOT BEEN ABLE TO DRAW CONCESSIONS FROM THE VARYING COUNTRIES, BECAUSE THE DESIRE FOR NATIONAL PRESTIGE HAS TAKEN PRECEDENCE OVER A POLICY OF AVOIDING DUPLICATE EFFORT. THE ARTICLE SUGGESTS POSSIBLE, BUT VERY SPECULATIVE, ALTERNATIVES TO INTERNATIONAL ORGANIZATIONAL PROBLEMS. THE ARTICLE DISCUSSES UPCOMING PROBLEMS OF DIRECT BROADCAST SATELLITES, PUBLIC VERSUS PRIVATE ENTERPRISE IN SPACE, AND THE NEED FOR THE U.S. TO ALLOW OTHER NATIONS TO HAVE A SIGNIFICANT ROLE IN INTELSAT. HB

- 5916C SCHWARTZ, HERMAN 5916C
- GOVERNMENTALLY APPOINTED DIRECTORS IN A PRIVATE CORPORATION, THE COMMUNICATIONS-SATELLITE-ACT OF 1962
- HARVARD LAW REVIEW 79,2, P350-64, DEC 1965
- // PUBLIC-SERVICE
- THE PRESIDENTIAL APPOINTMENT OF THREE MEMBERS ON COMSAT'S 15-MAN BOARD OF DIRECTORS CREATES MINIMAL ADVANTAGES AND SOME DISADVANTAGES FOR THE PUBLIC INTEREST. THE ROLE OF THESE GOVERNMENT DIRECTORS MAY BE CONCEIVED TO BE EITHER EXERCISING INFLUENCE AND POWER TO PROTECT THE PUBLIC INTEREST OR MERELY ACTING AS AN INFORMER TO THE GOVERNMENT ABOUT THE INNER WORKINGS OF COMSAT. IN EITHER CASE, THE GOVERNMENT DIRECTORS FAIL TO PROTECT THE PUBLIC INTEREST FOR THREE MAIN REASONS. FIRST, THE GOVERNMENT DIRECTORS ARE NOT EXPERTS IN SATELLITE COMMUNICATION (AS A SINGLE OBSERVER COULD BE) BECAUSE THEY ARE CHOSEN FROM VARIOUS OTHER FIELDS AND THEY SERVE COMSAT IN ONLY A PART-TIME CAPACITY, AND FOR ONLY A SHORT, 3-YEAR TERM OF OFFICE. SECOND, THEY ARE OFTEN TREATED WITH HOSTILITY BY OTHER DIRECTORS. THIRD, THEY POSSESS A LIMITED AMOUNT OF POWER. A CENTURY AGO, THE GOVERNMENT DIRECTORS OF THE UNION PACIFIC RAILROAD FACED THESE SAME THREE PROBLEMS AND THE PUBLIC INTEREST GOALS OF THE RAILROAD WERE NOT ATTAINED. OTHER MINOR FLAWS IN THE PRACTICE OF APPOINTING GOVERNMENTAL DIRECTORS CONCERN THE CONFLICT BETWEEN RESPONSIBILITY TO THE CORPORATION AND RESPONSIBILITY TO THE PUBLIC INTEREST, THE ILLUSION THAT GOVERNMENT DIRECTORS ASSURE COMSAT'S PROFITABILITY AND THE RESULTANT DAMPENED ZEAL OF REGULATORY AGENCIES. INCLUDES SOME OF THE HISTORY OF THE COMMUNICATIONS SATELLITE ACT OF 1962 AND COPIOUS FOOTNOTES. FK
- 5928C KRAUS, JEROME 5928C
- LEGAL ASPECTS OF SPACE COMMUNICATIONS AND SPACE SURVEILLANCE
- JOURNAL OF AIR LAW AND COMMERCE 29,3, P230-40, SUMMER 1963
- THIS ARTICLE DEALS WITH THE TECHNOLOGICAL SIMILARITIES AND LEGAL DISTINCTIONS BETWEEN COMMUNICATIONS AND SURVEILLANCE. THE AUTHOR SUGGESTS FOUR MODES BY WHICH EITHER COMMUNICATIONS OR SURVEILLANCE CAN BE CARRIED OUT, AND DISCUSSES THEIR SHORTCOMINGS. HE DESCRIBES THESE MODES AS GROUND-TO-GROUND VIA SPACE RELAY, EARTH-TO-SPACE, SPACE-TO-EARTH, AND SPACE-TO-SPACE. THE TECHNICAL ASPECTS OF THESE MODES REVEAL POINTS POTENTIALLY SIGNIFICANT FOR LEGAL DEVELOPMENT, SUCH AS THE ROLE OF THE LASER IN OPENING THE ELECTROMAGNETIC SPECTRUM, USE OF COHERENT WAVES ABOVE MICROWAVE TO INCREASE CONCENTRATION OF ENERGY IN COMMUNICATIONS, USE OF FREQUENCIES BELOW 10GC, AND THE DEVELOPMENT OF COHERENT LIGHT GENERATION. THE AUTHOR SUGGESTS FOUR PRINCIPLES AS A CODE OF LAW FOR SPACE COMMUNICATIONS AND SURVEILLANCE. THE FIRST THREE SUMMARIZE RIGHTS AND DUTIES OF A STATE OPERATING ELECTROMAGNETIC EQUIPMENT IN REGIONS UNDER ITS OWN JURISDICTION, REGIONS UNDER JURISDICTIONS OF OTHERS, AND REGIONS NOT SUBJECT TO NATIONAL APPROPRIATION. THE FOURTH IMPOSES QUALIFICATIONS ON THE FIRST THREE AND FURTHER RESTRICTS THE RIGHTS OF THE STATES. THE AUTHOR DELIBERATELY EXCLUDES THE LEGAL QUESTIONS OF DAMAGES, VIOLATIONS OF AIRSPACE, AND OTHER RELATED PROBLEMS, AND DIRECTS HIS REMARKS ONLY TO COMMUNICATION AND SURVEILLANCE PROBLEMS. HB
- 5930C ESTEP, SAMUEL D. * KEARSE, AMALYA L. 5930C
- SPACE COMMUNICATIONS AND THE LAW, ADEQUATE INTERNATIONAL CONTROL AFTER 1963
- MICHIGAN LAW REVIEW 60,7, P873-904, MAY 1962
- // JAMMING TREATY-1936 EARC ITC
- BECAUSE OF THE RIGIDITY OF EXISTING CUSTOMARY AND TREATY INTERNATIONAL LAW, NEW ARRANGEMENTS MUST BE MADE WHICH WILL DEAL ADEQUATELY WITH THE PROBLEMS OF SATELLITE COMMUNICATION. ONE SUCH PROBLEM IS JAMMING, WHICH CAN BE DEFENDED ON THE GROUNDS THAT A FOREIGN BROADCAST TRANSGRESSES A STATE'S AIRSPACE, AND/OR IS A THREAT TO NATIONAL SECURITY. BOTH OF THESE THEORIES, HOWEVER, HAVE FLAWS, AND THE FORMER RAISES THE QUESTION OF WHETHER SATELLITES ORBIT IN OR ABOVE A STATE'S AIRSPACE. THE BROADCASTING TREATY OF 1936 CONDEMNNS FOREIGN TRANSMISSIONS WHICH INCITE WAR OR REVOLUTION, AND INCLUDES VIABLE PROCEDURES TO SETTLE DISPUTES, BUT WAS SIGNED BY FEW COUNTRIES AND DOES NOT APPLY CURRENTLY TO SATELLITE COMMUNICATION. ALTHOUGH IT HAS NUMEROUS SIGNATORIES, THE ITU CONVENTION NEITHER EXPLICITLY DEFENDS NOR FORBIDS JAMMING AND, FURTHER, CONTAINS NO VIABLE PROCEDURES FOR SETTLING DISPUTES. IN 1963, THE EARC WILL MEET TO CONSIDER JAMMING AND OTHER PROBLEMS, INCLUDING THE 1959 ITU DECISION WHICH ASSIGNED FREQUENCIES TO SATELLITES FOR RESEARCH PURPOSES ONLY, ARTICLE 50 OF THE ITU CONVENTION WHICH EXEMPTS MILITARY BROADCASTS FROM ITU REGULATIONS, THE POSSIBILITY OF U.N. CONTROL OVER GLOBAL SATELLITE COMMUNICATIONS, INTERFERENCE PROBLEMS, PROGRAM CONTENT PROBLEMS, AND POSSIBLE ENFORCEMENT REGULATIONS. FK
- 8191A MCGILL CONFERENCE ON THE LAW OF OUTER SPACE, 1ST, MONTREAL, APRIL 12-13, 1963 8191A
- LAW AND POLITICS IN SPACE
- MONTREAL, MCGILL UNIVERSITY PRESS, 1964. 221P. EDITED BY MAXWELL COHEN
- // ACT-1962 UN-RESOLUTIONS
- PROCEEDINGS OF THE CONFERENCE INCLUDING FOUR PARTS. 1) COMMUNICATIONS AND SPACE (SEE 8212 AND 8213) 2) POLLUTION AND CONTAMINATION IN SPACE 3) ARMS CONTROL, DISARMAMENT, AND OBSERVATION IN SPACE AND 4) PROSPECTS FOR A REGIME IN OUTER SPACE. APPENDICES INCLUDE U.N. RESOLUTIONS 1721, 1802, AND 1884, TWO DRAFT CODES FOR USE OF OUTER SPACE AND THE U.S. COMMUNICATIONS SATELLITE ACT OF 1962. KS
- 8212C DOYLE, STEPHEN E. (AND OTHERS) 8212C
- COMMUNICATIONS AND SPACE (SELECTED BIBLIOGRAPHY)
- PAGES 193-7 IN MCGILL CONFERENCE ON THE LAW OF OUTER SPACE, 1ST, MONTREAL, APRIL 12-3, 1963. LAW AND POLITICS IN SPACE. MONTREAL, MCGILL UNIVERSITY PRESS, 1964. SEE 8191
- // ACT-1962 FCC ANTITRUST GLOBAL-SYSTEMS FREQUENCY
- IN THIS SUBSECTION OF THE BOOK'S SELECTED BIBLIOGRAPHY THE AUTHORS LIST APPROXIMATELY 60 REFERENCES TO JOURNAL ARTICLES, CONFERENCE PROCEEDINGS, A FEW MONOGRAPHS, AND U.S. CONGRESSIONAL DOCUMENTS. ALL BUT TWO ARE IN ENGLISH. INCLUDES MANY REFERENCES WHICH DO NOT APPEAR IN THIS EDSAT BIBLIOGRAPHY. KS

RECID INDEX

- 8213C FELDMAN, GEORGE J. 8213C
- INTERNATIONAL ARRANGEMENTS FOR SATELLITE COMMUNICATIONS
- PAGES 23-34 IN MCGILL CONFERENCE ON THE LAW OF OUTER SPACE, 1ST, MONTREAL, APRIL 12-3, 1963. LAW AND POLITICS IN SPACE. MONTREAL, MCGILL UNIVERSITY PRESS, 1964. SEE 8191
- // COMSAT GLOBAL-SYSTEMS
- THIS CHAPTER INCLUDES AN ADDRESS BY GEORGE FELDMAN, COMMENTARY BY NORBERT SCHLEI AND HOWARD TAUBENFELD, AND A GENERAL DISCUSSION. IN HIS ADDRESS FELDMAN REVIEWS THE ORIGINS OF SATELLITE COMMUNICATIONS, THE ACHIEVEMENTS OF TELSTAR AND ECHO I, U.S. POLICY STATEMENTS REGARDING SATELLITES, THE COMMUNICATIONS SATELLITE ACT OF 1962, AND COMSAT AND ITS HISTORY. HE THEN STATES SOME OF THE QUESTIONS AND PROBLEMS THAT ARISE IN ESTABLISHING A GLOBAL COMMUNICATION SYSTEM, AND EXAMINES THE PROGRESS THROUGHOUT THE WORLD ON THE DEVELOPMENT OF REGIONAL AND NATIONAL SYSTEMS. FELDMAN OPPOSES 'INTERNATIONALIZING' SATELLITE COMMUNICATIONS UNDER A SUPRANATIONAL BODY BECAUSE OF THE DELAY IT WOULD CAUSE IN THE DEVELOPMENT OF OPERATIONAL SYSTEMS AND THE PROFOUND POLITICAL AND ECONOMIC CONSEQUENCES WHICH CANNOT YET BE FORESEEN. SCHLEI COMMENTS ON THE PREPARATION OF COMSAT'S BYLAWS AND CONCLUDES THAT ONE CANNOT THINK OF COMSAT IN TERMS OF CATEGORIES AND CONCEPTS DEVELOPED TO FIT EITHER ENTIRELY PRIVATE OR ENTIRELY GOVERNMENTAL ENTITIES. TAUBENFELD PRESENTS FOUR POSSIBLE APPROACHES (PRIVATE, HYBRID, GOVERNMENTAL, INTERNATIONAL) WHICH COULD BE USED IN THE DEVELOPMENT OF COMMUNICATION SATELLITE SYSTEMS. GENERAL DISCUSSION IS DEVOTED TO 1) THE PRIVATE NATURE OF COMSAT 2) THE PROBLEMS INVOLVED WITH INTERNATIONAL PARTICIPATION AND COOPERATION IN A COMMUNICATION SATELLITE SYSTEM WITH SUBMARINE CABLES PROVIDING A LIMITED ANALOGY AND 3) THE QUESTION OF WHETHER THE U.S. SHOULD WAIT UNTIL AFTER AN INTERNATIONAL ORGANIZATION IS DEVELOPED TO APPLY ITS ADVANCED TECHNOLOGY TO A SYSTEM. JK
- 8214A COLLOQUIUM ON THE LAW OF OUTER SPACE, 5TH, VARNA, BULGARIA, SEPT 25-6, 1962 8214A
- COLLOQUIUM ON THE LAW OF OUTER-SPACE
- WASHINGTON, INTERNATIONAL INSTITUTE OF SPACE LAW, 1963. EDITED BY ANDREW G. HALEY
- SEE 8215-17
- 8215C HALEY, ANDREW G. 8215C
- SPACE COMMUNICATIONS - SOME LEGAL AND SOCIOLOGICAL CHALLENGES
- PAPER PRESENTED AT THE COLLOQUIUM ON THE LAW OF OUTER SPACE, 5TH, VARNA, BULGARIA, SEPT 25-6, 1962. SEE 8214
- // ITU GLOBAL-SYSTEMS
- THE AUTHOR IS '... FUNDAMENTALLY CONCERNED WITH THE IMMENSE SOCIOLOGICAL AND LEGAL PROBLEMS WHICH CONFRONT MANKIND, BUT THE PROSPECTS FOR TECHNICAL ACHIEVEMENTS WHICH MAY BE ENVISIONED IN NATURE MUST FIRST, IN A MOST GENERAL MANNER, BE UNDERSTOOD.' HE EXAMINES THE EVOLVEMENT OF COMMUNICATIONS AND BREAKS IT UP INTO THREE STAGES 1) ELECTRICAL 2) RADIO (WHICH IS PLAGUED WITH SPECTRUM SCARCITY) AND 3) COMMUNICATION TECHNIQUES OUTSIDE THE CONVENTIONAL COMMUNICATIONS BANDS, INCLUDING LIGHT FREQUENCIES, ULTRAVIOLET TECHNIQUES, AND GAMMA RAY TRANSMISSION. THE BODY OF THE PAPER IS THEN DEVOTED TO A DISCUSSION OF THIS THIRD STAGE OF COMMUNICATION BY PARTICIPANTS IN THE SPACE COMMUNICATION ROUNDTABLE HELD DURING THE XIITH INTERNATIONAL ASTRONAUTICAL CONGRESS. CONCLUSIONS ARE DRAWN TO THE EFFECT THAT MAN IS CONSTANTLY STRIVING TO EXPAND HIS ABILITY TO COMMUNICATE BY CREATING TECHNOLOGICAL 'ARTIFACTS' IN THE FIELD OF COMMUNICATION '... WHICH ENABLE HIM TO MEET AND MERGE AND ENHANCE HIS PSYCHOSOCIAL NATURE ON EVERY PART OF THE GLOBE.' THE GREATEST 'ARTIFACT' WILL BE THE ESTABLISHMENT OF A GLOBAL COMMUNICATION SYSTEM WHICH WILL THEN BREAK DOWN THE BARRIERS OF THE 'TRIBE' AND OF NATIONALISM. THE AUTHOR EXPRESSES HIS HOPE THAT '... THE ITU WILL EMERGE AS AN UNTRAMMELED WORLD AGENCY NOT ONLY ACTING AS A SERVANT OF THE PEOPLES OF THE EARTH BUT ALSO OF THE HUMAN DWELLERS IN OUTER SPACE.' LC
- 8216C SAWITZ, PETER H. 8216C
- COMMUNICATION SATELLITES AND FREE ENTERPRISE
- PAPER PRESENTED AT THE COLLOQUIUM ON THE LAW OF OUTER SPACE, 5TH, VARNA, BULGARIA, SEPT 25-6, 1962. SEE 8214
- // OWNERSHIP PUBLIC-SERVICE
- DISCUSSES THE HISTORY OF U.S. COMMUNICATIONS POLICIES AS WELL AS THE THE TECHNICAL OPPORTUNITIES OFFERED BY COMMUNICATIONS SATELLITES. THE AUTHOR ANALYZES STATEMENTS REGARDING CURRENT U.S. POLICY AND ITS IMPLICATIONS, CONCLUDING THAT THE U.S. '... IS LIKELY TO MAINTAIN ITS POLICY OF PRIVATE OWNERSHIP OF COMMUNICATION FACILITIES UNDER RATHER STRICT GOVERNMENT REGULATIONS. . . ' THIS POLICY, HOWEVER, WILL HAVE LITTLE EFFECT ON THE INTERESTS OF FOREIGN NATIONS. THEIR DEALINGS WILL BE ESSENTIALLY THE SAME AS THOUGH THE U.S. COMMUNICATION FACILITIES WERE OWNED BY THE GOVERNMENT. THE ACTUAL ARRANGEMENTS ARE DESIGNED TO PROTECT THE PUBLIC INTEREST OF THE WORLD AS WELL AS THAT OF THE U.S. DW
- 8217C IVANYI, JOZSEF 8217C
- THOUGHTS ON PROVISIONS TO IMPROVE AND SAFEGUARD SPACE COMMUNICATIONS
- PAPER PRESENTED AT THE COLLOQUIUM ON THE LAW OF OUTER SPACE, 5TH, VARNA, BULGARIA, SEPT 25-6, 1962. SEE 8214
- // ITU
- THE AUTHOR TRACES SOME OF THE EARLY DEVELOPMENTS AND EVENTS IN THE EXPLORATION OF OUTER SPACE AND CITES THE GREAT DEPENDENCE UPON RADIO COMMUNICATIONS IN ALL ASPECTS OF THAT EXPLORATION. HE CONCLUDES THAT THERE IS A GREAT NEED FOR THE SAFEGUARD OF RADIO COMMUNICATIONS, FIRST TO PROVIDE FOR THE SAFETY OF THOSE TRAVELING IN OUTER SPACE, AND SECOND BECAUSE OUTER SPACE IS TO BE CONSIDERED AN INTERNATIONAL RESOURCE. 'THE COMMON INTEREST OF THE CIVILIZED WORLD REQUIRES THE LEGAL PROTECTION OF THE SPACE COMMUNICATION SYSTEM.' THE AUTHOR BELIEVES THAT INTERNATIONAL LAW CLEARLY APPLIES TO OUTER SPACE AND THAT IT WILL BE THE ITU'S JOB TO COORDINATE AND CONTROL ALL SPACE COMMUNICATION ACTIVITY. HE FEELS THAT THERE IS PRESENTLY A NEED TO '... REWRITE THE RADIO REGULATIONS WHICH NEED MORE DETAILED PROVISIONS GOVERNING THE WHOLE SPHERE OF ELECTRONICS FROM MARITIME RADIO COMMUNICATIONS THROUGH AIR TRAFFIC CONTROL AND RADAR SERVICE TO THE NEW SPACE FLIGHT CONTROL, EARTH-SPACE AND SPACE-SPACE COMMUNICATIONS.' LC

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- 8218A COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969 8218A
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- 8219C PLOMAN, EDWARD W. 8219C
 SOME OBSERVATIONS ON LEGAL PROBLEMS IN CONNECTION WITH SATELLITE COMMUNICATIONS
 PAGES 264-9 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
 // DIRECT-BROADCASTING ITU COPYRIGHT
 THE AUTHOR FEELS THAT THE PRESENT STATE OF SATELLITE TELECOMMUNICATIONS '... CLEARLY SHOWS THE DISCREPANCY BETWEEN EXISTING OR IMMEDIATELY FORESEEABLE TECHNICAL MEANS AND THE LACK OF SOCIAL IMAGINATION CONCERNING WHICH PURPOSES THESE MEANS SHOULD SERVE AND WHICH SOCIAL STRUCTURES ARE BEST DESIGNED TO FURTHER THESE OBJECTIVES.' HE THEN EXAMINES THE FINDINGS OF THE U.N. WORKING GROUP ON DIRECT BROADCAST SATELLITES, WHICH HAS DEVELOPED AN ESTIMATED TIME SCALE FOR COMMUNITY RECEIVERS, AUGMENTED HOME RECEIVERS AND UNAUGMENTED HOME RECEIVERS. THE U.N. DEFINITION OF PROBLEM AREAS IS DISCUSSED AND OBSERVATIONS ARE MADE ON SOME SPECIFIC LEGAL QUESTIONS SUCH AS STATUS OF AGREEMENTS WITH THE ITU AND ITS SUBSIDIARY BODIES, ORGANIZATION OF SATELLITE COMMUNICATION SYSTEMS, COPYRIGHT AND NEIGHBORING RIGHTS, LEGALITY OF SATELLITE TELEVISION TRANSMISSIONS AND BROADCASTS, AND PROTECTION OF TRANSMISSIONS OR BROADCASTS. THE AUTHOR SUGGESTS THAT THE PRINCIPLE PROBLEM IN THE FIELD OF SATELLITE COMMUNICATIONS LIES IN THE FACT '... THAT THERE HAS NOT YET EVOLVED A GENERALLY ACCEPTED OR GENERALLY APPLIED LEGAL THEORY OF TELECOMMUNICATIONS AND THE USE OF RADIO WAVES.' LC
- 8220C COCCA, ALDO ARMANDO * VERESHCHETIN, V.S. * MAGNO, POMPEO 8220C
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 PAGES 7-15 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
 // INTELSAT UN ITU
 THIS ARTICLE DEALS WITH A JURIDICAL REGIME FOR A WORLD SYSTEM OF TELECOMMUNICATIONS, AND THE EFFORTS OF THE U.N. AND SPECIALIZED AGENCIES IN DEVELOPING SUCH A SYSTEM. QUESTIONS ARE RAISED CONCERNING DIRECT BROADCAST FROM SATELLITES AND THE NATURE OF INTELSAT. THE AUTHOR CONCLUDES BY STATING THE FOLLOWING QUESTIONS REGARDING SATELLITE COMMUNICATIONS. 1) SHOULD A NEW ORGANIZATION BE ESTABLISHED TO DEAL WITH MATTERS OF OUTER SPACE ACTIVITIES, OR CAN HARMONIC ACTION BE ACHIEVED THROUGH THE EXISTING SPECIALIZED U.N. AGENCIES. 2) SHOULD THE OBJECTIVES OF THE 1964 INTELSAT AGREEMENTS BE EXTENDED TO COVER ALL FORMS OF SPACE COMMUNICATIONS. 3) AS A TELECOMMUNICATION ORGAN, SHOULD INTELSAT ACT INDEPENDENTLY OR AS PART OF A LARGER INTERNATIONAL ORGAN. 4) WHICH OF THE OPINIONS EXPRESSED AT THE PLENIPOETENTIARY CONFERENCE OF 1969 WOULD BE THE MOST ADVISABLE COURSE OF ACTION FOR INTELSAT. 5) WHAT LEGAL MEASURES SHOULD BE TAKEN FOR THE CONTROL OF DIRECT BROADCASTING. SEE 8256. LC
- 8221C VERESHCHETIN, V.S. 8221C
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 // LEGAL-PERSONALITY MONOPOLY INTELSAT-1969
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- 8222C MAGNO, POMPEO 8222C
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 PAGES 22-9 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
 // FREQUENCY COPYRIGHT PROGRAMMING DEVELOPING-COUNTRIES FREE-FLOW-OF-INFORMATION
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8223C DONAHUE, THOMAS E., JR. 8223C
 A DISCUSSION OF THE POSITIONS TAKEN BY THE UNITED-STATES IN THE NEGOTIATIONS OF DEFINITIVE ARRANGEMENTS FOR INTELSAT
 PAGES 30-40 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
 // COMSAT INTELSAT-1969 OWNERSHIP
 THE AUTHOR, DIRECTOR OF THE INTERNATIONAL AGREEMENTS DIVISION OF COMSAT, PRESENTS A BRIEF REVIEW OF THE POSITIONS TAKEN BY THE UNITED STATES AT THE PLENIPOTENTIARY CONFERENCE, FEBRUARY, 1969, WHICH PROVIDES '... ONE CRITERION AGAINST WHICH TO JUDGE THE PROGRESS THAT HAS BEEN MADE IN THE PREPARATORY COMMITTEE ESTABLISHED LAST MARCH TO CONTINUE WORK WHILE THE PLENIPOTENTIARY CONFERENCE IS IN RECESS.' THE U.S. GENERAL PROPOSALS ARE 1) 'INTELSAT SHOULD REMAIN AN UNINCORPORATED INTERNATIONAL COMMERCIAL JOINT VENTURE WITH PARTNERS OWNING UNDIVIDED SHARES IN PROPORTION TO THEIR USE. . .' 2) INTELSAT SHOULD MAKE ITS FACILITIES AVAILABLE TO MEET BOTH DOMESTIC AND INTERNATIONAL REQUIREMENTS, WHILE KEEPING IN MIND THAT ANY USE OF SEPARATE SYSTEMS MUST NOT HAVE ADVERSE EFFECTS ON THE ESTABLISHMENT OF A GLOBAL SYSTEM 3) INTELSAT SHOULD BE MADE UP OF THREE ORGANS, THE ASSEMBLY (INVESTORS IN THE SYSTEM), A BOARD OF GOVERNORS (RESPONSIBLE FOR DESIGN, DEVELOPMENT, CONSTRUCTION, ESTABLISHMENT, AND OPERATION OF A SYSTEM), AND A MANAGER (COMSAT - TO IMPLEMENT THE BOARD'S DECISIONS). THE AUTHOR DEVOTES THE REST OF THIS PAPER TO PRESENTING THE TOPICS DISCUSSED DURING THE PREPARATORY COMMITTEE MEETING, INCLUDING INTELSAT'S STRUCTURE, SERVICES, MANAGEMENT, MEMBER OBLIGATIONS, OWNERSHIP AND LIABILITY. APPENDICES REGARDING THE FUNCTIONS OF INTELSAT ARE INCLUDED. LC

8224C WILLIAMS, SILVIA MAUREEN 8224C
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 PAGES 41-4 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
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 THE AUTHOR DISCUSSES THE NEED FOR CREATING AN ADEQUATE INTERNATIONAL ORGANIZATION FOR THE REGULATION OF SATELLITE TELECOMMUNICATIONS AND THE PROBLEMS OF DIRECT BROADCASTING FROM SATELLITES. SHE CONCLUDES, '1) THE ESTABLISHMENT OF A DEFINITE REGIME FOR INTELSAT IMPLIES ABSOLUTE PRIORITY. 2) TO RULE THESE ACTIVITIES, AN INTERNATIONAL ORGANIZATION OF PUBLIC LAW IS TO BE CREATED, BECAUSE INTELSAT, AS A CONSORTIUM, HAS NOT BEEN ADEQUATELY FORESEEN BY LAW. 3) THIS INTERNATIONAL ORGANIZATION COULD BE INTELSAT ITSELF - PREVIOUSLY IMPROVED AND ADJUSTED - TAKING INTO CONSIDERATION THAT IT HAS BEEN OPERATING SATISFACTORILY TO THE PRESENT, BOTH FROM AN ECONOMICAL AND TECHNICAL POINT OF VIEW. THE LEGAL FRAMEWORK, HOWEVER, SHOULD BE MODIFIED, ESPECIALLY THE VOTING SYSTEM. WE PROPOSE THE STANDARD 'ONE NATION - ONE VOTE' BE ADOPTED. 4) AS REGARDS DIRECT BROADCAST, 'IN VIEW OF THE FACT THAT ITS REGULATION BY A STATE OR GROUP OF STATES WOULD NOT HELP SOLVING THE PROBLEMS THAT MAY ARISE, INTERNATIONAL NORMS ACQUIRING FULL FORCE IN ALL FIELDS OF ACTIVITY OF TELECOMMUNICATIONS BY SATELLITES MUST BE LOOKED FOR. 5) FROM A TECHNICAL POINT OF VIEW, THE SINGLE GLOBAL SYSTEM APPEARS TO BE MORE ADVISABLE. BESIDES, AS ALL UNITY, IT IMPLIES ECONOMY. THIS, HOWEVER, SHALL NOT BE AN IMMEDIATE END UNTIL LAW IS ABLE TO ACHIEVE A UNIVERSAL JURIDICAL RULE TO BE APPLIED TO SUCH SYSTEM. THE TASK AT PRESENT IS TO OBTAIN A UNIFORM REGULATION FOR THE COEXISTENCE OF SYSTEMS.' DW

8226C CURIA, MARIA TERESA 8226C
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 PAGES 51-6 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
 // INTELSAT DIRECT-BROADCASTING
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8228C BRITAL, OSCAR FERNANDEZ 8228C
 THE GLOBAL SYSTEM OF TELECOMMUNICATIONS BY SATELLITES IN THE FACE OF THE TREATY OF JANUARY 27, 1967
 PAGES 63-5 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 12TH, MAR DEL PLATA, ARGENTINA, OCT 5-10, 1969. SEE 8218
 // INTELSAT INTERSPUTNIK
 THE AUTHOR DISCUSSES A GLOBAL SYSTEM OF TELECOMMUNICATIONS BY SATELLITE IN LIGHT OF THE OUTER SPACE TREATY. HE CONCLUDES, 'A) THE TREATY OF 1967 ALLOWS THE ESTABLISHMENT OF A SINGLE TELECOMMUNICATIONS SYSTEM BY MEANS OF SATELLITES, IF THE SAME IS ADEQUATE TO ITS ENDS AND PURPOSES. B) FOR A STRICT ACCOMPLISHMENT OF THE TREATY NORMS, SUCH A SYSTEM IS OPEN TO ALL STATES IN EQUAL CONDITIONS. C) A DOUBLE VOTING SYSTEM IS TO BE ORGANIZED, DUE TO THE FACT THAT AS REGARDS DECISIONS, WE MAY HAVE DIFFERENCES BETWEEN THOSE CONCERNING THE ENDS OF THE SYSTEM, AND OPERATIONAL DECISIONS. IN THE FIRST CASE, VOTING SHALL BE ON THE BASIS OF THE EQUALITY OF MEMBERS, IN THE SECOND, IN ACCORDANCE WITH THE USE MADE OF THE SYSTEM.' DW

8229C 8229C
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 // INTELSAT GLOBAL-SYSTEMS
 THIS REPORT SUMMARIZES THE POSITIONS TAKEN BY 12 PARTICIPANTS IN A GROUP DISCUSSION DURING THE COLLOQUIUM. THE PARTICIPANTS WERE COCCA, VERESHCHETIN, MAGNO, WILLIAMS, PICAREL, CURIA, KOPAL, FERRER, VERPLAETSE, BRITAL, SMIRNOFF, AND SALINAS. THE MAJORITY OF THE STATEMENTS REFER TO INTELSAT'S STRUCTURE AND ROLE AND TO THE ANTICIPATED EFFECTS OF DIRECT BROADCASTING. LC

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- 8230A COLLOQUIUM ON THE LAW OF OUTER SPACE, 11TH, NEW YORK, OCTOBER 17-18, 1968 8230A
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- 8234C ESTRADA RODRERA, SEBASTIEN 8234C
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- 8235C TABANERA, TEOFILO 8235C
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 // PUBLIC-SERVICE
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 THE AUTHOR THEN BRIEFLY PRESENTS A MANAGEMENT STRUCTURE WHICH COULD BE APPLIED TO INTERNATIONAL
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- 8236C VERESHCHETIN, V.S. 8236C
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- 8237C WOETZEL, ROBERT K. 8237C
 INTERNATIONAL COORDINATION OF DIFFERENT SPACE TELECOMMUNICATIONS SYSTEMS
 PAGES 214-8 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 11TH, NEW YORK, OCT 17-8, 1968. SEE 8230
 // PROGRAMMING INTELSAT INTERSPUTNIK ITU UNESCO
 EXAMINATION OF THE SPECIAL RELEVANCE OF THE PRINCIPLE OF EQUALITY TO INTERNATIONAL COOPERATION WITH
 REGARD TO SPACE TELECOMMUNICATION SYSTEMS. VARIOUS SYSTEMS SUCH AS INTELSAT AND THE RUSSIAN
 ORBITA SYSTEM STRESS THE ROLE OF THE MAJOR POWERS IN THIS FIELD. EXISTING SYSTEMS LIKE
 INTELSAT MAY TRANSFORM THEMSELVES TO BECOME TRULY INTERNATIONAL SYSTEMS, OR NEW SYSTEMS LIKE
 INTERSPUTNIK MAY ACHIEVE THIS RESULT. PROBLEMS OF COORDINATION ARE DISCUSSED. EXISTING
 ORGANIZATIONS MIGHT BE UTILIZED, BUT POSSIBLY A NEW COORDINATING AGENCY MIGHT HAVE TO BE
 CREATED. AIAA

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8238C

SUMMARY OF DISCUSSIONS ON TELECOMMUNICATIONS BY SATELLITE

PAGES 219-25 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 11TH, NEW YORK, OCT 17-8, 1968. SEE 8230

// DIRECT-BROADCASTING MONOPOLY INTELSAT CATV COMMON-CARRIERS GLOBAL-SYSTEMS

REPORT OF A DISCUSSION WHICH TOOK PLACE AFTER VARIOUS PARTICIPANTS IN THE COLLOQUIUM SUMMARIZED THEIR PAPERS. THIS DISCUSSION DEALT PRIMARILY WITH INTERNATIONAL EQUALITY IN OUTER SPACE, COMSAT'S ROLE IN INTELSAT, AND DIRECT BROADCASTING AS IT EFFECTS RADIO STATIONS, TV STATIONS, CATV, COMMON CARRIERS, AND COMSAT'S EARTH STATION INTERESTS. DR. DOYLE (U.S.A.) THEN OFFERS HIS PERSONAL COMMENTS IN DEFENSE OF INTELSAT AND THE CONCEPT OF AN INTERNATIONAL MONOPOLY FOR A GLOBAL COMMERCIAL COMMUNICATION SATELLITE SYSTEM. AFTER PRESENTING VARIOUS FACTORS RELATING TO THE SUBJECT, HE CONCLUDES, 'IT HAS PROVEN TO BE NOT ONLY ECONOMICALLY FEASIBLE AND DESIRABLE, TECHNICALLY POSSIBLE, BUT ALSO POLITICALLY EXPEDIENT AND DESIRABLE TO WORK IN CONSORT TO ESTABLISH A GLOBAL SATELLITE SYSTEM.' THE SITUATION IS MUCH LIKE A PUBLIC UTILITY SERVICE IN WHICH COMPETITION COULD BE DETRIMENTAL TO THE USERS, THEREFORE '...ONE CAN MAKE AN ARGUMENT FAVORING CONSIDERATION OF INTERNATIONAL COOPERATION TO EVOLVE AN ESSENTIALLY MONOPOLY ROLE FOR A SINGLE GLOBAL SATELLITE SYSTEM.' LC

8238C

8239C

MANKIEWICZ, RENE

8239C

INTERVENTION WITH RESPECT TO SATELLITE TELECOMMUNICATION

PAGES 226-7 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 11TH, NEW YORK, OCT 17-8, 1968. SEE 8230

// PROPAGANDA INTELSAT COMSAT DIRECT-BROADCASTING PROGRAMMING

THE AUTHOR CONDEMNES THE ROLE OF COMSAT AS MANAGER OF INTELSAT AND STATES THAT '...SPACE ACTIVITIES (INCLUDING TELECOMMUNICATIONS), EVEN FOR THE PURELY PEACEFUL PURPOSES, ARE SUCH A DELICATE UNDERTAKING THAT THEY CANNOT BE LEFT TO PRIVATE INDIVIDUALS OR PRIVATE CORPORATIONS.' REGARDING THE UPCOMING DEVELOPMENTS IN THE FIELD OF DIRECT BROADCASTING, THE AUTHOR SUGGESTS THERE MUST BE SOME DEGREE OF CONTROL OVER MESSAGE CONTENT, DUE TO THE ACCUMULATIVE EFFECT OF PROPAGANDA. THIS CONTROL MUST BE OBJECTIVE, IMPARTIAL AND DISINTERESTED. THE AUTHOR CONCLUDES THAT '...FOR FINANCIAL AS WELL AS POLITICAL AND CULTURAL REASONS THE ONLY DECENT SOLUTION TO THE PROBLEM OF TELECOMMUNICATIONS BY SATELLITE IS THE ESTABLISHMENT OF A TRULY INTERNATIONAL ORGANIZATION ADMINISTERING THE SATELLITE SYSTEM EITHER DIRECTLY OR THROUGH BODIES UNDER ITS DIRECT CONTROL.' LC

8240A

COLLOQUIUM ON THE LAW OF OUTER SPACE, 10TH, BELGRADE, SEPTEMBER 24-29, 1967

8240A

COLLOQUIUM ON THE LAW OF OUTER-SPACE

DAVIS, UNIVERSITY OF CALIFORNIA SCHOOL OF LAW. DISTRIBUTED, HACKENSACK, N.J., ROTHMAN, 1968. EDITED BY MORTIMER D. SCHWARTZ

SEE 8241-46

8241C

COCCA, ALDO ARMANDO

8241C

LEGAL PROBLEMS ARISING FROM THE ESTABLISHMENT OF ONE OR SEVERAL SYSTEMS OF TELECOMMUNICATION BY SATELLITES

PAGES 63-8 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 10TH, BELGRADE, SEPT 24-9, 1967. SEE 8240

// PUBLIC-SERVICE GLOBAL-SYSTEMS INTELSAT-1969

IN LIGHT OF THE UPCOMING 1969 CONFERENCE ON INTELSAT AGREEMENTS, THE AUTHOR REFERS TO THE BASIC PRINCIPLES TO BE CONSIDERED WHEN EXAMINING THE LEGAL PROBLEMS OF ESTABLISHING ONE OR MORE SATELLITE SYSTEMS. HE DISCUSSES PROGRESS IN THE SOCIAL FIELD IN THE U.S., INCLUDING COMMENTS ON THE EDUCATIONAL SYSTEMS, AERONAUTICAL SATELLITE COMMUNICATION SERVICES, COMMERCIAL SYSTEMS, AND DEFENSE SYSTEMS. SOCIAL PROGRAMS IN THE USSR AND EUROPE ARE DEALT WITH BRIEFLY AS ARE INTERNATIONAL ORGANIZATIONS. THE AUTHOR CONCLUDES THAT '...IT IS NOT POSSIBLE TO DO WITHOUT INTERNATIONAL COOPERATION.... IN ORDER TO BEGIN ANALYZING THE NATURE OF INTERNATIONAL PUBLIC SERVICE, THE FOLLOWING PRINCIPLES MUST BE TAKEN INTO ACCOUNT - GENERALITY, UNIFORMITY, CONTINUITY, AND REGULARITY.' LC

8243C

ARMSTRONG, COLE A.

8243C

PRESENT AND FUTURE IMPACT OF TECHNICAL, ECONOMIC, AND ORGANIZATIONAL ASPECTS

PAGES 73-9 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 10TH, BELGRADE, SEPT 24-29, 1967. SEE 8240

// FREQUENCY ORBITAL-SLOTS

CONSIDERATION OF THE PRESENT AND FUTURE IMPACT OF TECHNICAL, ECONOMIC, AND ORGANIZATIONAL ASPECTS OF SATELLITE COMMUNICATIONS WITH REFERENCE TO COMMERCIAL SERVICES, TELEVISION AND RADIO BROADCASTING, DATA COLLECTION SYSTEMS, AND SERVICE TO MOBILE UNITS SUCH AS SHIPS AND AIRCRAFT. PRIMARY EMPHASIS IS PLACED ON COMMERCIAL SYSTEMS. THE FREQUENCY SPECTRUM AND GEOSTATIONARY ORBITAL 'SLOTS' ARE DISCUSSED. SOME FORM OF ORGANIZATION IS NEEDED TO COORDINATE THE USE OF THE MULTIDIMENSIONAL SPECTRUM (THE COMBINATION OF SPECTRUM AND ORBITAL SLOTS). ATTENTION IS GIVEN TO THE ECONOMICS OF SATELLITES VERSUS ALTERNATE TECHNOLOGIES. AIAA. THE AUTHOR CONCLUDES THAT HE HAS '...EMPHASIZED THE WEIGHT OF THE FORCES OF REQUIRED COORDINATION AND THE ECONOMICS OF SCALE THAT REINFORCE THE ADVANTAGE OF A SINGLE GLOBAL SATELLITE TELECOMMUNICATIONS SYSTEM. IT HAS ALSO POINTED OUT SOME OF THE HAZARDS AND DIFFICULTIES INHERENT IN THE WAY SOME NATIONS HAVE ORGANIZED THEIR TELECOMMUNICATIONS SERVICES.' LC

RECID INDEX

8245C DOYLE, STEPHEN E. 8245C

THE RECORD UP TO THE PRESENT TIME

PAGES 95-100 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 10TH, BELGRADE, SEPT 24-9, 1967. SEE 8240

// COMSAT FCC INTELSAT SOVIET-VIEW

THIS PAPER PRESENTS A SYNOPSIS REVIEW OF SOME OF THE ALLEGED PROBLEMS AND LEGAL PROBLEMS WHICH INTELSAT HAS FACED DURING ITS INFANCY. AS THE 1964 AGREEMENTS WERE REACHED, THE USSR PROTESTED WHAT IT FELT WAS AN * . . . ENCROACHMENT BY U.S. MONOPOLY CAPITAL ON THE INTERESTS OF MANKIND. . . .* DUE TO COMSAT'S ROLE IN INTELSAT. COMSAT'S ROLE AS MANAGER OF THE INTERNATIONAL SPACE SEGMENT AND AS A DOMESTIC COMMUNICATIONS ENTITY HAS BEEN THE FOCAL POINT FOR MANY OF INTELSAT'S PROBLEMS. *EVEN THOUGH IT STRIVES TO ACT IN ALL IMPARTIALITY, THE MANAGING AGENT OF INTELSAT WILL FIND IT DIFFICULT TO ACT AGAINST THE INTERESTS OF ITS OWN COUNTRY OR AGAINST ITS OWN INTERESTS. . . .* THE AUTHOR SUGGESTS A MORE MULTI-NATIONAL EFFORT IN THE WORK OF MANAGING INTELSAT AS A SOLUTION TO MANY OF ITS PROBLEMS. THE AUTHOR NEXT EXAMINES THE RELATIONSHIP BETWEEN COMSAT, THE FCC, AND INTELSAT. SINCE THE FCC'S ORDER RELATING TO INTELSAT III SATELLITES WAS ADOPTED IN 1966, CLARIFICATION OF THE AREAS OF RESPONSIBILITY OF THE FCC AND COMSAT WITH REGARD TO INTELSAT HAS BEEN GREATLY FACILITATED. THE AUTHOR EXPRESSES THE HOPE THAT THE 1969 MEETING TO REVISE INTELSAT'S AGREEMENTS WILL INVOLVE COOPERATION AMONG ALL NATIONS. LC

8246C DESSAUCY, JACQUES 8246C

PROBLEMES POSES PAR LES SATELLITES DE COMMUNICATIONS DONT LES EMISSIONS SERONT RECUES DANS CHAQUE FOYER (PROBLEMS POSED BY DIRECT-BROADCAST SATELLITES)

PAGES 101-4 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 10TH, BELGRADE, SEPT 24-29, 1967. IN FRENCH. SEE 8240

// DIRECT-BROADCASTING UN PROGRAMMING

DISCUSSION OF PROBLEMS ARISING FROM THE DIRECT HOME RECEPTION OF RADIO, TELEVISION, AND FACSIMILE NEWSPAPERS FROM SATELLITES. THESE PROBLEMS WILL ARISE ABOUT FIVE YEARS FROM NOW WHEN THE FIRST DIRECT BROADCASTING SATELLITES ARE PLACED IN ORBIT. STATES CANNOT EXERCISE CONTROL OVER PROGRAM CONTENT FROM SUCH SATELLITES. IT IS SUGGESTED THAT A UNITED NATIONS ORGANIZATION BE ESTABLISHED TO SUPERVISE PROGRAMS. AIAA

8247A COLLOQUIUM ON THE LAW OF OUTER SPACE, 9TH, MADRID, OCTOBER 14, 1966 8247A

COLLOQUIUM ON THE LAW OF OUTER-SPACE

DAVIS, UNIVERSITY OF CALIFORNIA. SCHOOL OF LAW. DISTRIBUTED, SOUTH HACKENSACK, N.J., ROTHMAN, 1967. EDITED BY MORTIMER D. SCHWARTZ

SEE 8248-52

8248C COCCA, ALDO ARMANDO 8248C

LEGAL PROBLEMS OF TELECOMMUNICATIONS BY SATELLITES, INTRODUCTORY REPORT

PAGES 66-71 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 9TH, MADRID, OCT 14, 1966. SEE 8247

// INTELSAT-1964 GLOBAL-SYSTEMS MILITARY-USE PROGRAMMING

EVALUATION OF WHETHER A SINGLE GLOBAL SATELLITE TELECOMMUNICATIONS SYSTEM IS MORE CONVENIENT THAN A PLURALITY OF SUCH SYSTEMS AND, IF MORE THAN ONE SYSTEM IS CREATED, WHAT PROVISIONS COULD AND SHOULD BE MADE TO ASSURE MAXIMUM COOPERATION BETWEEN THE SYSTEMS. IN ADDITION TO ANY POSSIBLE TECHNICAL PROBLEMS IN VIEW OF THE MULTIPLICITY OF SYSTEMS, THE JURIST MUST ASK HIMSELF WHETHER THE MILITARY USE AND THE CIVILIAN USE OF SPACE COMMUNICATIONS CAN OFFER ANY POSSIBLE BENEFICIAL COMBINATIONS. THE QUESTION OF WHICH PROCEDURE IS ADVISABLE FOR FIXING, APPROVING, AND CONTROLLING INTERNATIONAL RADIO AND TELEVISION PROGRAMS IS EXAMINED, AS WELL AS QUESTIONS OF INTERFERENCE WITH COMMUNICATIONS. AIAA

8249C DOYLE, STEPHEN E. 8249C

INTERNATIONAL ORGANIZATION FOR SATELLITE COMMUNICATIONS, A STUDY PROGRAM PROPOSAL

PAGES 72-3 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 9TH, MADRID, OCT 14, 1966. SEE 8247

// ICSC INTELSAT-1964

PROPOSAL FOR AN ICSC REPORT CONTAINING RECOMMENDATIONS FOR DEFINITIVE ARRANGEMENTS FOR AN INTERNATIONAL GLOBAL SYSTEM WHICH WOULD SUPERSEDE THE INTERIM ARRANGEMENTS ESTABLISHED BY THE WASHINGTON AGREEMENTS OF 1964. THE ICSC WILL THEN SUBMIT THE REPORT TO THE U.S. GOVERNMENT WHICH WILL, IN TURN, SET UP AN INTERNATIONAL CONFERENCE TO CONSIDER THE PROPOSALS. IT IS HOPED THAT BY THE CONSTRUCTION OF THE CONFERENCE, THE LAWYERS, SCIENTISTS, ENGINEERS, PUBLICISTS, AND COMMENTATORS OF THE WORLD, WHO WOULD NOT OTHERWISE FIND A SUITABLE FORUM FOR THE EXPRESSION OF THEIR VIEWS, MAY COLLECTIVELY PRODUCE A VALUABLE SUMMARY OF UNOFFICIAL COMMENTARY. LC

8250C ESTRADA RODRIGUEZ, SEBASTIEN 8250C

ESTATUTO JURIDICO APLICABLE A LAS COMUNICACIONES VIA SATELITE (JURIDICAL STATUTES APPLICABLE TO COMMUNICATIONS VIA SATELLITE)

PAGES 74-85 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 9TH, MADRID, OCT 14, 1966. IN SPANISH. SEE 8247

// COPYRIGHT PATENT TREATIES-COMMERCIAL

CONSIDERATION OF COMMUNICATIONS SATELLITES WITH REFERENCE TO ASPECTS OF TERRITORIAL COMPETENCY IN SPACE AND APPLICABLE LEGAL STANDARDS. ATTENTION IS GIVEN TO THE VIABILITY OF COMMERCIAL TREATIES AS THEY RELATE TO SATELLITE COMMUNICATION. THE RELATIONSHIP BETWEEN COMMUNICATIONS SATELLITES AND THE PEACEFUL CONQUEST OF SPACE IS DISCUSSED. AIAA

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- 8251C MORENOFF, JEROME 8251C
 COMMUNICATIONS IN ORBIT, A PROGNOSIS FOR WORLD PEACE
 PAGES 86-90 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 9TH, MADRID, OCT 14, 1966. SEE 8247
 // GLOBAL-SYSTEMS MILITARY-USE
 CONSIDERATION OF THE STATUS OF COMMUNICATIONS SATELLITES IN THE CONTEXT OF AN EMERGING CUSTOMARY LAW FOR OUTER SPACE. A POSITIVE TREND IS INDICATED WHICH MAY EVENTUALLY FORM THE BASIS FOR WORLD PEACE THROUGH SPACE LAW AND ORDER. POSSIBLE SYSTEMS OF MANAGEMENT MAY BE CLASSIFIED AS UNILATERAL OR MULTILATERAL, AND THE DESIRABLE INTERNATIONAL GLOBAL-COOPERATIVE SPACE COMMUNICATIONS SYSTEM. AIAA. THE AUTHOR FEELS THAT WE CAN EXPECT COMMUNICATION SATELLITES TO BECOME AN ACCEPTED REALITY UNDER BOTH UNILATERAL AND MULTILATERAL MANAGEMENT, YET A SINGLE GLOBAL SYSTEM IS THE ULTIMATE ANSWER AND SHOULD BE THE GOAL OF ALL NATIONS. A TREND TOWARD THIS DESIRABLE GOAL IS DEMONSTRATED BY EXAMINING SPACE LAW, COMMUNICATIONS SATELLITES, AND MILITARY VERSUS PEACEFUL USES OF OUTER SPACE. LC
- 8253A COLLOQUIUM ON THE LAW OF OUTER SPACE, 8TH, ATHENS, SEPT 14-5, 1965 8253A
 COLLOQUIUM ON THE LAW OF OUTER-SPACE
 NORMAN, UNIVERSITY OF OKLAHOMA RESEARCH INSTITUTE. DISTRIBUTED, SOUTH HACKENSACK, N.J., ROTHMAN, 1966. EDITED BY ANDREW G. HALEY AND MORTIMER D. SCHWARTZ
 SEE 8254-58
- 8254C COCCA, ALDO ARMANDO 8254C
 LEGAL PROBLEMS OF TELECOMMUNICATIONS BY SATELLITES
 PAGES 143-8 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 8TH, ATHENS, SEPT 14-5, 1965. SEE 8253
 // MULTIPLE-ACCESS
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- 8255C COMMENTS ON THE REPORT OF ALDO ARMANDO COCCA 8255C
 PAGES 149-54 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 8TH, ATHENS, SEPT 14-5, 1965. SEE 8253
 // COMPETITION MOLNYA
 COMMENTS BY PARTICIPANTS OF THE COLLOQUIUM ON THE REPORT OF ALDO ARMANDO COCCA. JULIAN G. VERPLAETSE - TECHNICALLY AS WELL AS POLITICALLY A SINGLE GLOBAL SYSTEM WOULD BE IDEAL, BUT VARIED POLITICAL VIEWPOINTS AND EXISTING COMPETITION INDICATE THE DEVELOPMENT OF COMPETING SYSTEMS IN THE FUTURE. ERNST FASAN - SYSTEMS "...COMPETITION WILL BE DESIRABLE FOR ALL PARTIES. ... AND WILL ACCELERATE, AND NOT BE AN OBSTACLE TO, INTERNATIONAL COOPERATION IN THE FIELDS OF COMMUNICATION SPACE LAW." H. CAPLAN - "...THERE WERE NO NEW LEGAL PROBLEMS CREATED BY SATELLITE COMMUNICATION. ... THE ESSENTIAL PROBLEMS TO BE SOLVED AT THIS STAGE ARE MAINLY SCIENTIFIC, TECHNICAL, POLITICAL OR ECONOMIC. ... ON THE QUESTIONS OF LIABILITY RESULTING FROM SPACE ACTIVITIES AND THE QUESTION OF LEGAL PROBLEMS, THE COLLOQUIUM RECOMMENDS THAT THE SPECIAL WORKING GROUPS CONTINUE THEIR ACTIVITY, TAKING INTO ACCOUNT THE PROCEEDINGS OF THE COLLOQUIUM. LC
- 8256C HALEY, ANDREW G. 8256C
 COMMUNICATIONS IN SPACE. EXISTING STRUCTURES, FORESEEABLE PROBLEMS
 PAGES 156-66 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 8TH, ATHENS, SEPT 14-5, 1965. SEE 8253
 // GLOBAL-SYSTEMS ITU INTERNATIONAL-COURT-OF-JUSTICE
 SYNOPSIS ANSWERS TO SIX QUESTIONS POSED BY ALDO ARMANDO COCCA TO THE 8TH COLLOQUIUM ON THE LAW OF OUTER SPACE (SEE 8254). 1) THESE NATIONS WHICH ARE MOST INVOLVED IN INTERNATIONAL COMMUNICATION HAVE CONCLUDED THAT FROM AN ECONOMIC, POLITICAL, OR TECHNICAL STANDPOINT, THE ESTABLISHMENT OF A GLOBAL COMMUNICATION SYSTEM WOULD BE MOST BENEFICIAL. 2) "IF MORE THAN ONE GLOBAL SYSTEM BECOMES OPERATIVE, COOPERATION WILL BE WORKED OUT BY MEANS OF NEGOTIATION BETWEEN THE CONTROLLING BODIES OF THE SYSTEMS," WITH THE ITU OVERSEEING FREQUENCY USES. 3) "...INTERNATIONAL DISTRIBUTION OF RADIO AND TELEVISION PROGRAMS WILL BE SUBJECT TO NEGOTIATION IN COMPLIANCE WITH ARTICLE II (8) OF THE INTERIM AGREEMENT. ...," OF THE INTERIM COMMUNICATION SATELLITE COMMITTEE. 4) TECHNICAL INTERFERENCE WILL BE HANDLED BY THE ITU, AND MATTERS OF PROPAGANDA SHOULD BE SETTLED THROUGH INTERNATIONAL NEGOTIATION OR BY RESORTING TO THE INTERNATIONAL COURT OF JUSTICE. 5) RELATIONS BETWEEN REGULATORY BODIES ARE COMPLEX, YET ALL BODIES ARE IN SOME WAY AFFECTED BY THE ITU. 6) THROUGH COOPERATION AND IMMEDIATE EVALUATION OF THE PROBLEM, INTERNATIONAL PATENT AND COPYRIGHT PRINCIPLES COULD BE ESTABLISHED. LC

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- 8257C HYMAN, WILLIAM A. 8257C
 THE COMMUNICATIONS-SATELLITE-CORPORATION, THE BEGINNING OF A COMMERCIAL ERA IN SPACE
 PAGES 183-99 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 8TH, ATHENS, SEPT 14-5, 1965. SEE 8253
 // OWNERSHIP LEGAL-PERSONALITY
 REVIEWS THE ESTABLISHMENT, STRUCTURE AND FUNCTION OF COMSAT AS BOTH THE U.S. REPRESENTATIVE IN THE
 FIELD OF COMMERCIAL SATELLITE COMMUNICATION AND AS AN INTEGRAL PART IN THE INTERNATIONAL
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 TO ITS NATURE AS A PRIVATE ENTERPRISE. 'COMSAT FINDS ITSELF BESET BY MORE THAN THE USUAL
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 STATUS. 'UNQUESTIONABLY THE COMMUNICATION SATELLITE SYSTEM AND COMSAT IN ITS TURN HAVE THE
 POTENTIAL TO ACCOMPLISH THE GREAT GOOD ENVISIONED FOR THEM IN PRESIDENT KENNEDY'S INITIAL
 MESSAGE. WHETHER THIS POTENTIAL WILL EVER BE REALIZED WILL DEPEND '. . . ON WHETHER HUMAN
 NATURE WILL KEEP STEP WITH THE PROGRESS OF SCIENCE AND ACCEPT GLOBAL COMMUNICATION FOR THE
 FURTHERANCE OF THE BROTHERHOOD OF MAN AND IN THE INTERESTS OF WORLD PEACE.' LC
- 8258C MARCOFF, MARCO G. 8258C
 SATELLITES DE COMMUNICATION, ELEMENTS DE DISSIDENCE OU DE RAPPROCHEMENT (COMMUNICATION SATELLITES,
 ELEMENTS OF DISSIDENCE OR RECONCILIATION)
 PAGES 456-62 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 8TH, ATHENS, SEPT 14-5, 1965. IN FRENCH.
 SEE 8253
 // AT-T OWNERSHIP NON-GOVERNMENTAL-USE DECLARATION-1963 SOCIALIST-VIEW
 THE AUTHGR DISCUSSES THOSE ASPECTS OF THE U.N. DECLARATION OF LEGAL PRINCIPLES REGULATING THE
 ACTIVITY OF STATES IN SPACE RESEARCH AND USE WHICH ARE RELATED TO THE INTERNATIONAL USE AND
 CONTROL OF COMMUNICATION SATELLITE SYSTEMS ON A REGIONAL AND GLOBAL BASIS FROM A SOCIALIST
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 FRIENDSHIP AMONG PEOPLES. THE INAPPROPRIATE USE OF COMMUNICATIONS SATELLITES COULD ENGENDER
 DANGERS TO INTERNATIONAL PEACE AND ORDER. THIS DANGER COULD HAVE BEEN AVOIDED IF THE WESTERN
 NATIONS HAD ACCEPTED THE SOVIET PROPOSAL PROVIDING FOR THE PROHIBITION OF ALL NON-GOVERNMENTAL
 UTILIZATION AND COMMERCIALIZATION OF SPACE. PRIVATE ENTERPRISE IN SPACE THREATENS TO
 MONOPOLIZE THE USE AND BENEFITS OF SPACE TELECOMMUNICATIONS FOR PRIVATE GAIN. THE AUTHOR WARNS
 AGAINST THE VIOLATION OF NATIONAL SOVEREIGNTY BY INTERNATIONAL COMPANIES NOT SUBJECT TO
 INTERNATIONAL CONTROL. NOT EVEN THE U.S. GOVERNMENT CAN CONTROL THE INTERNATIONAL SYSTEM,
 SINCE IT HAS ALLOWED THE COMMERCIALIZATION OF SATELLITE SYSTEMS THROUGH COMSAT AND INTELSAT
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- 8259A COLLOQUIUM ON THE LAW OF OUTER SPACE, 7TH, WARSAW, SEPT 9-10, 1964 8259A
 COLLOQUIUM ON THE LAW OF OUTER-SPACE
 NORMAN, UNIVERSITY OF OKLAHOMA RESEARCH INSTITUTE. DISTRIBUTED, SOUTH HACKENSACK, N.J., ROTHMAN,
 1965. EDITED BY ANDREW G. HALEY AND MORTIMER D. SCHWARTZ
 SEE 8250 AND 8261
- 8260C CHEPROV, I. 8260C
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 PAGES 10-4 IN COLOQUIUM ON THE LAW OF OUTER SPACE, 7TH, WARSAW, SEPT 9-10, 1964. SEE 8259
 // COMSAT SCVIET-VIEW OWNERSHIP
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 COMPOSITION OF COMSAT, SPECIFICALLY AT+T'S DOMINATION. 'IT IS WELL-KNOWN THAT PRIVATE
 ENTERPRISE IN THE U.S.A. HAS A VERY LONG EXPERIENCE OF DISCRIMINATING AGAINST AMERICANS
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 SCENG. CAN ONE BE SURE THAT THERE WILL BE NO DISCRIMINATION AGAINST SUCH STATES WHICH CERTAIN
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 ON EQUALITY. LC
- 8261C HALEY, ANDREW G. 8261C
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 INTERNATIONAL ASTRONAUTICAL FEDERATION
 PAGES 361-415 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 7TH, WARSAW, SEPT 9-10, 1964. SEE 8259
 // COMSAT FCC ITU
 WEDNESDAY, AUGUST 20, 1964, MARKS THE CONCLUSION OF '. . . A FIVE YEAR PERIOD IN WHICH MORE PROGRESS
 WAS MADE TECHNICALLY AND GEOPOLITICALLY IN THE FIELD OF COMMUNICATION THAN IN THE PAST ONE
 THOUSAND YEARS.' THE AUTHOR EXAMINES IN DETAIL THE ESTABLISHMENT OF COMSAT IN CONJUNCTION WITH
 ITS ROLE, ORGANIZATION, AND DEGREE OF DEPENDENCE ON OTHER AGENCIES, IN THE HOPE THAT THIS
 REPORT WILL '. . . ENCOURAGE LEGISLATORS, LAWYERS, AND JURISTS IN EVERY NATION TO MEET THE
 CHALLENGE OF EMERGING SPACE COMMUNICATION PROBLEMS.' THE ARTICLE TRACES THE FCC'S REGULATION
 OF SPACE COMMUNICATION AND COMSAT, AND CONCLUDES THAT '. . . THE FCC WILL BE REQUIRED TO BALANCE
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- 8262A COLLOQUIUM ON THE LAW OF OUTER SPACE, 6TH, PARIS, SEPT 27, 1963 8262A
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- 8263C FINCH, KENNETH ANDERSON 8263C
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 COLLOQUIUM ON THE LAW OF OUTER SPACE, 6TH, PARIS, SEPT 27, 1963
 // ITU FCC IRAC EARC FREQUENCY
 THE AUTHOR PRESENTS AN HISTORICAL TREATISE ON THE DEVELOPMENT OF COMMUNICATIONS SATELLITES THROUGH 1963 AND THE RESULTING PROBLEMS AND REGULATIONS IN THE AREA OF FREQUENCY ALLOCATION. HE TREATS WORK AND STUDY DONE BY THE FCC AND THE IRAC IN THE U.S.A. LEADING TO THE DEVELOPMENT OF THE COMMUNICATIONS SATELLITE ACT OF 1962 PARALLEL WITH RESOLUTIONS AND RECOMMENDATIONS BEING MADE BY THE ITU REGARDING FREQUENCY ALLOCATION. CONCERN IS EXPRESSED OVER INTERFERENCE PROBLEMS IN LIGHT OF INTERFERENCE ENCOUNTERED BY 'FAITH VII' DURING ITS 22-ORBIT FLIGHT WITH ASTRONAUT GORDON COOPER ON MAY 15, 1963. THERE WAS INTERFERENCE FROM AN UNREGISTERED RADIO TRANSMITTER OPERATED ABOARD AN UNKNOWN FISHING BOAT IN THE GULF OF MEXICO. IF THIS INTERFERENCE HAD OCCURRED DURING THE EMERGENCY RE-ENTRY INSTRUCTIONS, DISASTER COULD HAVE RESULTED. THE AUTHOR EXPRESSES THE HOPE THAT THE 1963 EARC WILL PROVIDE THE NECESSARY REQUESTED SPECTRUM ALLOCATION FOR SATELLITE COMMUNICATION PURPOSES BEFORE SPACE TECHNOLOGY FURTHER ADVANCES, RESULTING IN INCREASED INTERFERENCE. HE STRESSES THE NEED FOR COOPERATION BY ALL NATIONS IN THE AREA OF EMERGENCY COMMUNICATION BETWEEN MANNED SATELLITES AND EARTH STATIONS. LC
- 8264C BERGER, HAROLD 8264C
 THE LAW AND COMMUNICATIONS SATELLITES
 COLLOQUIUM ON THE LAW OF OUTER SPACE, 6TH, PARIS, SEPT 27, 1963
 // FCC UN ACT-1962
 THE AUTHOR PRESENTS SOME SIGNIFICANT PROVISIONS OF THE COMMUNICATIONS SATELLITE ACT OF 1962 ALONG WITH ACTIONS AND VIEWS OF THE UNITED NATIONS REGARDING THE LEGAL STATUS OF COMMUNICATIONS SATELLITES. HE FEELS THE COMMUNICATIONS SATELLITE ACT OF 1962 IS AN IMPORTANT STEP TOWARD ESTABLISHING A WORLDWIDE COMMUNICATIONS SYSTEM AND CONCLUDES THAT IT IS '... ESSENTIAL THAT THE COMPLEX FIELD OF COMMUNICATIONS SATELLITES AND SPACE COMMUNICATIONS SHOULD BE IMMEDIATELY AND EFFECTIVELY REGULATED ON AN INTERNATIONAL BASIS UNDER UNITED NATIONS SUPERVISION IN ORDER TO INSURE FUTURE PEACEFUL AND COOPERATIVE EXPLORATION OF COSMIC SPACE.' LC
- 8265A COLLOQUIUM ON THE LAW OF OUTER SPACE, 4TH, WASHINGTON, OCT 3-4, 1961 8265A
 COLLOQUIUM ON THE LAW OF OUTER-SPACE
 NORMAN, UNIVERSITY OF OKLAHOMA RESEARCH INSTITUTE, 1963. EDITED BY ANDREW G. HALEY AND MORTIMER D. SCHWARTZ
 SEE 8266-67
- 8267C FIORIO, FRANCO 8267C
 SPACE LAW, POINT OF VIEW OF A SMALL COUNTRY
 PAGES 111-8 IN COLLOQUIUM ON THE LAW OF OUTER SPACE, 4TH, WASHINGTON, OCT 3-4, 1961
 // UN PANAMA-DOCTRINE KARMAN-LINE PUBLIC-SERVICE
 THE AUTHOR EXPRESSES THE HOPE THAT AS THE FUTURE BRINGS A GREATER USE OF OUTER SPACE BY THE POWERS OF THE WORLD, THE POSITION AND RIGHTS OF THE SMALL NATIONS WILL BE RESPECTED. SIX AREAS ARE SUGGESTED '... WHICH OUGHT TO BE SUBJECT TO IMMEDIATE REGULATION, PARTIAL OR TOTAL, ON A WORLDWIDE BASIS, CREATING, THROUGH THESE, THE INITIAL CORE OF A BODY OF SPACE LAW.' 'THE REPUBLIC OF SAN MARINO PROPOSES THEREFORE THAT ALL SPACE ABOVE A REASONABLE HEIGHT OVER NATIONAL TERRITORY BE FREE FOR EVERYBODY, INCLUDING THE CELESTIAL BODIES EXISTING IN IT.' 'THE FLAG OF THE UNITED NATIONS, AS REPRESENTATIVE OF THE WHOLE WORLD, COULD BE FLOWN BY ALL SPACESHIPS DEPARTING FROM OUR PLANET FOR THE EXPLORATION OF THE MOON AND THE OTHER PLANETS OF THE SOLAR SYSTEM.' LC
- 8268C RYBAKOV, YU. M. 8268C
 PROBLEMS OF SPACE LAW, TV, RESEARCH
 CURRENT DIGEST OF THE SOVIET PRESS 22,13, P6-7, APRIL 28, 1970. CONDENSED TEXT OF INTERNATIONAL LEGAL COOPERATION IN SPACE, BY YU. M. RYBAKOV. SOVETSKOYE GOSUDARSTVO I PRAVO, NO. 2, P40-7, FEBRUARY (1970)
 // TREATY-1967 SOVIET-VIEW
 THIS ARTICLE RESTATES AND INTERPRETS PASSAGES FROM THE 1967 OUTER SPACE TREATY, REGARDING THE TREATY AS THE BASIC DOCUMENT IN THE FIELD OF SPACE LAW. 'THIS TREATY ESTABLISHES INTERNATIONAL LEGAL NORMS PERTAINING TO THE BASIC ACTIVITY OF STATES IN... THE PEACEFUL EXPLORATION OF OUTER SPACE... THE EXTENSION OF THE NORMS OF INTERNATIONAL LAW TO OUTER SPACE... STRIKES A DEFINITIVE BLOW AGAINST THE WELL-KNOWN BOURGEOIS CONCEPT OF A SO-CALLED 'LEGAL VACUUM' IN OUTER SPACE... THERE ARE NO LEGAL GROUNDS FOR STATES TO CLAIM TERRITORIAL SOVEREIGNTY IN OUTER SPACE OR ON CELESTIAL BODIES. THE ESSENTIAL ELEMENT OF THE TREATY IS THE PRINCIPLE THAT FIRMLY OBLIGATES ALL STATES TO CARRY OUT THE USE AND EXPLORATION OF OUTER SPACE FOR THE GOOD OF ALL COUNTRIES. THIS CONCEPT CAN BE EXTENDED TO DIRECT SATELLITE BROADCASTING AND THE RELATED LEGAL AND BROADCAST COVERAGE PROBLEMS. THE RESULTING CONCLUSION IS '... TELEVISION BROADCASTING TO ANY OTHER COUNTRY IS POSSIBLE ONLY WITH THE CONSENT OF THAT COUNTRY'S GOVERNMENT.' IF UNWANTED BROADCASTS ARE ENTERING A STATE, THE STATE IS ENTITLED TO EMPLOY MEANS TO COUNTERACT THOSE BROADCASTS. ANY USE OF SATELLITES FOR BROADCASTING '... FOR THE PROPAGANDA OF MILITARISM, RACISM, ETC., WHICH IMPEDE THE STRENGTHENING OF MUTUAL UNDERSTANDING AMONG PEOPLES' IS ILLEGAL. COOPERATION IN OUTER SPACE IS ESSENTIAL, YET ALL ACTIVITY AND COOPERATION '... THAT SERVE PURPOSES HAVING NOTHING IN COMMON WITH THE INTERESTS OF THE EXPLORATION AND USE OF OUTER SPACE FOR THE GOOD OF MANKIND ARE DEVOID OF ANY LEGAL GROUNDS WHATSOEVER.' LC

REC'D INDEX

- 8306C PLOMAN, EDWARD W. 8306C
 UN WORKING GROUP ON DIRECT-BROADCAST SATELLITES
 IBI NEWSLETTER 1, P4-6, AUTUMN 1970
 // SOVEREIGNTY REGIONAL-SYSTEMS FREE-FLOW-OF-INFORMATION
 PLOMAN REVIEWS THE ACTIVITIES OF THE U.N. WORKING GROUP ON DIRECT BROADCAST SATELLITES WHICH WAS CREATED TO STUDY '... THE TECHNICAL FEASIBILITY OF COMMUNICATION BY DIRECT BROADCASTS FROM SATELLITES. ... AS WELL AS THE IMPLICATIONS OF SUCH DEVELOPMENTS IN THE SOCIAL, CULTURAL, LEGAL, AND OTHER AREAS. ...' HE DISCUSSES THE CONCLUSIONS REACHED IN THREE MEETINGS. IN THE FEBRUARY 1969 TECHNICAL MEETING, THREE MAJOR CONCLUSIONS WERE REACHED 1) DIRECT BROADCASTING INTO UNAUGMENTED TV RECEIVERS IS NOT FORESEEN AS OPERATIONAL BEFORE 1985 2) AUGMENTED RECEPTION COULD BE TECHNICALLY BUT NOT ECONOMICALLY FEASIBLE BY 1975 3) DIRECT BROADCASTS INTO COMMUNITY RECEIVERS WILL BE TECHNICALLY AND ECONOMICALLY FEASIBLE BY THE MID 1970'S. IN THE AUGUST 1969 AND MAY 1970 MEETINGS, THE SOCIAL, LEGAL AND CULTURAL IMPLICATIONS OF DIRECT BROADCASTING WERE CONSIDERED. THE COMMITTEE NOTED THE GREAT POTENTIAL FOR FUTURE USES OF SATELLITES FOR ECONOMIC, SOCIAL AND CULTURAL PURPOSES AND FOR FORMAL AND ADULT EDUCATION IN ALL NATIONS. THE FULFILLMENT OF THESE GOALS WILL REQUIRE INTERNATIONAL AND REGIONAL COOPERATION, BUT THIS WORKING GROUP '... CONSIDERS THAT COOPERATION AND PARTICIPATION ON THE REGIONAL LEVEL APPEAR TO BE THE MOST PRACTICAL AND ADVANTAGEOUS MEANS OF ACHIEVING RESULTS.' SEVERAL DELEGATIONS EXPRESSED THE OPINION THAT MANY OF THE EXISTING INTERNATIONAL LEGAL INSTRUMENTS WHICH APPLY TO SATELLITE BROADCASTING SHOULD BE COMPLEMENTED BY FURTHER SPECIFIC PRINCIPLES. OTHER DELEGATIONS FELT THAT THE ELABORATION OF SUCH PRINCIPLES WOULD BE PREMATURE AND MIGHT ENDANGER INTERNATIONAL COOPERATION ON SATELLITE BROADCASTING. THE AREAS OF DISAGREEMENT REVOLVED AROUND THIS ISSUE OF TIMING AND THE ATTITUDE TO BE TAKEN ON BALANCING THE NEED FOR NATIONAL SOVEREIGNTY AND FREE FLOW OF INFORMATION. CM
- 8314C CRANE, ROBERT D. 8314C
 THE BEGINNINGS OF MARXIST SPACE JURISPRUDENCE
 AMERICAN JOURNAL OF INTERNATIONAL LAW 57,3 P615-25, JULY 1963
 // MILITARY-USE SOVIET-VIEW
 PRIOR TO 1962, SOVIET LEGAL MONOGRAPHS WERE IN FAVOR OF MAKING MILITARY USE OF OUTER SPACE ILLEGAL. IN MARCH 1962 A CHANGE IN THIS ATTITUDE WAS NOTED WHEN THE SOVIETS ANNOUNCED THE DEVELOPMENT OF A 'GLOBAL ROCKET,' CLAIMING THAT AMERICAN PREPARATIONS IN THE AREA OF MILITARY USE OF SPACE VEHICLES WAS FORCING THEM TO TAKE COUNTER MEASURES IN THE FORM OF MILITARY DEVELOPMENT. IN THE FALL OF 1962, BEFORE THE U.N. SPACE COMMISSION, THE RUSSIANS INSISTED THAT BEFORE ANY DISCUSSION OF SPACE COOPERATION OR REGULATION COULD TAKE PLACE, THE COMMISSION MUST FIRST UNANIMOUSLY DECLARE ILLEGAL NUCLEAR EXPLOSIONS IN SPACE, SPACE RECONNAISSANCE AND FREE ENTERPRISE IN SPACE. THE SOVIETS KNEW THAT THE U.S. WOULD BALK AT THESE STIPULATIONS AND THEREFORE APPEAR TO BE OBSTRUCTING PEACE. THE U.S. COULD NOT ACCEPT A UNILATERAL SPACE DISARMAMENT BY THE FREE WORLD, AND THE ONLY ALTERNATIVE WOULD BE A BROADER ARMS CONTROL TREATY UNDER INTERNATIONAL INSPECTION. THE ARTICLE QUOTES MANY SOVIET ARTICLES WHICH PORTRAY THE U.S. USE OF SPACE VEHICLES AS BEING ALL MILITARY IN NATURE, THEREBY ATTEMPTING TO JUSTIFY THEIR OWN MILITARY DEVELOPMENT IN SPACE. HB
- 8321C JONES, NANCY CAROL 8321C
 THE ROLE OF THE UNITED-NATIONS IN COMMUNICATIONS SATELLITES
 UNIVERSITY MICROFILMS, PH.D. THESIS, UNIVERSITY OF MISSOURI, 1967. 372P
 // COMSAT ITU UNESCO REGIONAL-SYSTEMS GLOBAL-SYSTEMS
 IN HER THESIS, THE AUTHOR SURVEYS THE WORK OF THE U.N. IN THE AREA OF COMMUNICATIONS SATELLITES AND SPECULATES ABOUT ITS FUTURE PROSPECTS. SPECIAL ATTENTION IS GIVEN TO THE AD HOC COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE, THE OFFICE OF PUBLIC INFORMATION, UNESCO, THE ITU, AND OTHER SPECIALIZED AGENCIES. THE AUTHOR DESCRIBES THE ATTEMPTS MADE TO ESTABLISH REGIONAL SATELLITE SYSTEMS, AND USES THE EXAMPLE OF THE U.S. COMSAT EXPERIENCE IN PRESENTING THE HISTORY OF COMMUNICATIONS SATELLITES. THE AUTHOR FEELS THAT THE U.N.'S EFFECTIVENESS HAS BEEN THWARTED BY VARIOUS NATIONAL INTERESTS, BUT SHE STILL FEELS THE NEED FOR AN INTERNATIONAL ATTEMPT AT COORDINATING THE SATELLITE EFFORT, IF SATELLITE TECHNOLOGY IS TO BE PUT TO ITS GREATEST ADVANTAGE. THE THESIS ALSO CONTAINS A VERY EXTENSIVE BIBLIOGRAPHY AND SPECIAL ATTENTION IS DIRECTED TO IT. HB
- 8322C BYRNE, DON 8322C
 SATELLITE NETWORK PROPOSAL COULD HIT ANTITRUST SNAG
 ELECTRONIC DESIGN 23, P57-8, NOV 8, 1970
 // COMSAT OTP DOMESTIC-US AT-T
 THIS BRIEF NEWS ITEM REPORTS THE CONCERN OF CLAY WHITEHEAD, DIRECTOR OF THE OTP, THAT THE AT+T - COMSAT DOMESTIC SATELLITE SYSTEM PROPOSAL MAY HAVE DIFFICULTY BEFORE THE FCC BECAUSE OF ANTITRUST LAWS. THE PROBLEM COULD BE AVOIDED BY OFFERING A PUBLIC RATHER THAN A PRIVATE MESSAGE SYSTEM. A POSITION PAPER BY THE DEPARTMENT OF JUSTICE IS EXPECTED TO BE FILED WITH THE FCC. OTHER COMPANIES FILING FOR FCC APPROVAL OF THEIR DOMESTIC SATELLITE PLANS ARE WESTERN UNION, TELEPROMPTER, HUGHES, GT+E, MICROWAVE COMMUNICATIONS AND COMSAT (PROPOSING A SEPARATE PLAN WITHOUT AT+T). KS
- 8338C JOHNSEN, KATHERINE 8338C
 HUGHES PLANS DOMESTIC TV SATELLITES
 AVIATION WEEK AND SPACE TECHNOLOGY 94,1, P16, JAN 4, 1971
 // FCC CATV GT-E AT-T
 HUGHES AIRCRAFT COMPANY PRESENTED A PLAN TO THE FCC APPLYING FOR A PERMIT TO CONSTRUCT A DOMESTIC SATELLITE SYSTEM IN COLLABORATION WITH GENERAL TELEPHONE AND ELECTRONICS TO SERVE A NATIONWIDE NETWORK OF CABLE ANTENNA TELEVISION SYSTEMS. UNDER THE PROPOSED CONTRACT GT+E WOULD GAIN THE USE OF THE HUGHES SPACE SEGMENT, THUS DIMINISHING ITS DEPENDENCE ON AT+T INTERCONNECTIONS. HUGHES WOULD GAIN THE ADVANTAGE OF THE TELEPHONY INCOME WHILE THE COMMUNITY ANTENNA NETWORK GRADUALLY DEVELOPS. SPECIFICS OF THE SATELLITE AND GROUND COMPONENTS, ORBITAL RESERVATIONS, FREQUENCY BANDS AND NETWORK CONFIGURATIONS AND COSTS ARE GIVEN. KS

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8339C	<p>JOHNSEN, KATHERINE</p> <p>SPLIT OF COMSAT, TERRESTRIAL CARRIERS URGED</p> <p>AVIATION WEEK AND SPACE TECHNOLOGY 94,3, P18, JAN 18, 1971</p> <p>// OTP COMPETITION ACT-1962</p> <p>THE JUSTICE DEPARTMENT, IN A LETTER TO SENATOR MIKE GRAVEL, MADE PUBLIC ITS DESIRE TO MAKE COMMERCIAL SATELLITE COMMUNICATIONS COMPETITIVE WITH TERRESTRIAL SYSTEMS. RECOMMENDATIONS TO BAN TERRESTRIAL CARRIERS FROM COMSAT BOARD MEMBERSHIP AND FROM STOCK OWNERSHIP, TO REDUCE THEIR OWNERSHIP AND CONTROL OF GROUND STATIONS, AND TO FREE COMSAT AS A RETAILER WERE PROPOSED TO ELIMINATE DIRECT CARRIER CONTROL OR INFLUENCE OVER COMSAT. SENATOR GRAVEL WILL INTRODUCE, IN JANUARY 1971, LEGISLATION TO CONTROL COMSAT BOARD MEMBERSHIP AND STOCK OWNERSHIP. WHILE THE FCC AND THE OTP HAVE NOT FORMULATED U.S. INTERNATIONAL TELECOMMUNICATIONS POLICY, THE ADMINISTRATION FAVORS COMPETITION DOMESTICALLY. KS</p>	8339C
8340C	<p>U.S. PRESIDENT, 1963-1969 (L.B. JOHNSON)</p> <p>SIXTH ANNUAL REPORT ON ACTIVITIES AND ACCOMPLISHMENTS UNDER THE COMMUNICATIONS-SATELLITE-ACT OF 1962</p> <p>MESSAGE FROM THE PRESIDENT OF THE UNITED STATES TRANSMITTING THE SIXTH ANNUAL REPORT ON ACTIVITIES AND ACCOMPLISHMENTS UNDER THE COMMUNICATIONS SATELLITE ACT OF 1962. WASHINGTON, D.C., GPO, 1969. (91ST CONG., 1ST SESS., HOUSE OF REPRESENTATIVES. HOUSE DOCUMENT NO. 61)</p> <p>// INTELSAT-1969 ODTM</p> <p>THIS REPORT INCLUDES AN HISTORICAL BACKGROUND OF THE GLOBAL COMMERCIAL COMMUNICATIONS SATELLITE SYSTEM AND DESCRIBES THE FUNCTIONS AND CAPABILITIES OF OPERATIONAL SATELLITES. IT LISTS THE ACCOMPLISHMENTS OF THE OFFICE OF TELECOMMUNICATIONS MANAGEMENT AND NASA IN REGARD TO RESEARCH AND TECHNOLOGY. THE REPORT MENTIONS AN INTELSAT CONFERENCE TO BE HELD IN WASHINGTON, D.C., ON 2/24/69, TO ESTABLISH DEFINITIVE ARRANGEMENTS FOR AN INTERNATIONAL GLOBAL SYSTEM WHICH WOULD SUPERSEDE THE INTERIM ARRANGEMENTS OF 1964. HB</p>	8340C
8341C	<p>U.S. PRESIDENT, 1963-1969 (L.B. JOHNSON)</p> <p>ANNUAL REPORT ON ACTIVITIES AND ACCOMPLISHMENTS UNDER THE COMMUNICATIONS-SATELLITE-ACT OF 1962, JANUARY 1 - DECEMBER 31, 1967</p> <p>MESSAGE FROM THE PRESIDENT OF THE UNITED STATES TRANSMITTING FIFTH ANNUAL REPORT ON COMMUNICATIONS SATELLITE ACT OF 1962. WASHINGTON, D.C., GPO, 1968. (90TH CONGRESS, 2D SESS., HOUSE OF REPRESENTATIVES. HOUSE DOCUMENT NO. 295)</p> <p>// COMSAT</p> <p>THIS ANNUAL REPORT BY THE PRESIDENT REAFFIRMS THE GOVERNMENT'S DESIRE TO SEEK A GLOBAL COMMUNICATIONS SATELLITE SYSTEM ON A MORE DEFINITE BASIS THAN UNDER THE INTERIM AGREEMENT OF 1964. THE REPORT DESCRIBES THE TRAFFIC CAPABILITIES OF INTELSAT, WHICH IS MANAGED BY COMSAT, AND ALSO DESCRIBES NASA'S RELATIONSHIP WITH THIS PROGRAM. IT IS RECOMMENDED THAT FUTURE R AND D BE DIRECTED TO QUESTIONS SUCH AS FREQUENCY-SHARING AND SIMULTANEOUS COMMUNICATIONS BETWEEN MANY SMALL, TRANSPORTABLE EARTH STATIONS. THE REPORT ALSO LISTS GOALS FOR THE FUTURE IN ADVANCING SATELLITE TECHNOLOGY.</p>	8341C
8342C	<p>U.S. CONGRESS. HOUSE. COMMITTEE ON THE DISTRICT OF COLUMBIA</p> <p>TAX EXEMPTION FOR INTERNATIONAL-TELECOMMUNICATIONS-SATELLITE-CONSORTIUM</p> <p>REPORT TO ACCOMPANY H. RES. 14982. WASHINGTON, D.C., GPO, 1970. (91ST CONG., 2D SESS., HOUSE OF REPRESENTATIVES. REPORT NO. 846)</p> <p>RECOMMENDS PASSAGE OF A BILL EXEMPTING FOREIGN INTELSAT MEMBERS FROM LOCAL DISTRICT OF COLUMBIA TAXATION. THE PURPOSE IS TO ALLEVIATE ANY INEQUITIES IN TREATMENT BETWEEN FOREIGN GOVERNMENT MEMBERS, WHO ARE NOT SUBJECT TO LOCAL TAXES, AND FOREIGN PRIVATE MEMBERS, WHO COULD BE SUBJECT TO LOCAL TAXES. THE REPORT MAINTAINS THAT NO SUBSTANTIAL REVENUE LOSS TO THE DISTRICT OF COLUMBIA WOULD OCCUR AND RECOMMENDS PASSAGE ON THE GROUNDS THAT IT IS IN THE NATIONAL INTEREST TO KEEP INTELSAT IN D.C. HB</p>	8342C
8343C	<p>U.S. CONGRESS. HOUSE. COMMITTEE ON GOVERNMENT OPERATIONS</p> <p>APPROVING REORGANIZATION PLAN NO. 1 OF 1970 (TELECOMMUNICATIONS)</p> <p>REPORT TO ACCOMPANY H. RES. 841. MARCH 19, 1970. WASHINGTON, D.C., GPO, 1970. (91ST CONG., 2D SESS., HOUSE OF REPRESENTATIVES. REPORT NO. 930)</p> <p>// OTP FCC</p> <p>THE COMMITTEE RECOMMENDS DISAPPROVAL OF THE RESOLUTION TO REJECT THE REORGANIZATION PLAN, AND THEREBY APPROVES ESTABLISHMENT OF THE OFFICE OF TELECOMMUNICATIONS POLICY. THE ONLY DESIGNATED FUNCTION OF THE NEW OFFICE IS THAT RELATING TO THE ASSIGNMENT OF FREQUENCIES OF RADIO STATIONS BELONGING TO AND OPERATED BY THE U.S. GOVERNMENT. OTHER FUNCTIONS WOULD BE ASSIGNED BY THE PRESIDENT. THIS REPORT CONTAINS A DETAILED SUMMARY OF THE COMMITTEE HEARINGS. THE COMMITTEE CONCLUDES THAT THIS OFFICE WOULD ADD TO THE EFFICIENT FLOW OF COMMUNICATIONS THROUGHOUT THE U.S. AND THE WORLD, AND THAT THIS PLAN WOULD GIVE THE OFFICE SUFFICIENT POWER AND PRESTIGE TO CARRY OUT ITS OBJECTIVES. APPENDICES INCLUDE THE PRESIDENT'S MESSAGE TO CONGRESS TRANSMITTING THE REORGANIZATION PLAN, AND OTHER LETTERS IN SUPPORT OF THE PLAN. HB</p>	8343C
8344C	<p>U.S. PRESIDENT, 1969- (NIXON)</p> <p>REORGANIZATION PLAN NO. 1 OF 1970</p> <p>MESSAGE FROM THE PRESIDENT OF THE UNITED STATES TRANSMITTING REORGANIZATION PLAN NO. 1 OF 1970, FEBRUARY 9, 1970. WASHINGTON, GPO, 1970. (91ST CONGRESS, 2D SESSION, HOUSE DOCUMENT NO. 222)</p> <p>// OTP FCC</p> <p>THE MAJOR ASPECT OF THIS PLAN IS TO MOVE THE OFFICE OF TELECOMMUNICATIONS MANAGEMENT FROM THE OFFICE OF EMERGENCY PREPAREDNESS TO THE EXECUTIVE OFFICE OF THE PRESIDENT, CHANGING ITS NAME TO THE OFFICE OF TELECOMMUNICATIONS POLICY. THE PLAN DEALS ONLY WITH THIS TRANSFER AND THE SELECTION PROCEDURE FOR THE DIRECTOR. HOWEVER, THE PRESIDENT'S LETTER OF TRANSMITTAL TO CONGRESS OUTLINES 3 ROLES FOR THIS NEW OFFICE - TO ADVISE THE PRESIDENT ON THE FORMULATION OF GOVERNMENT POLICY, TO COORDINATE THE FEDERAL GOVERNMENT'S OWN COMMUNICATIONS SYSTEM, AND TO WORK WITH THE FCC IN INSTITUTING REFORMS IN POLICY AND PROCEDURES FOR ALLOCATING RADIO SPECTRUM USE. HB</p>	8344C

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83450 U.S. CONGRESS. HOUSE. COMMITTEE ON GOVERNMENT OPERATIONS 8345C
 REORGANIZATION PLAN NO. 1 OF 1970 (OFFICE OF TELECOMMUNICATIONS POLICY)
 HEARINGS BEFORE A SUBCOMMITTEE OF THE COMMITTEE ON GOVERNMENT OPERATIONS, HOUSE OF REPRESENTATIVES,
 91ST CONGRESS, 2D SESSION, MARCH 9 AND 10, 1970. WASHINGTON, D.C., GPO, 1970. 133P
 // FCC OTP
 HEARINGS WERE HELD ON A RESOLUTION RECOMMENDING A REFUSAL TO PASS THE REORGANIZATION PLAN. THIS
 REPORT CONTAINS THE STATEMENTS AND TESTIMONY OF THOSE WHO APPEARED BEFORE THE COMMITTEE AND HAS
 APPENDED TO IT A 'STUDY OF FEDERAL COMMUNICATION ORGANIZATION' PREPARED BY THE BUREAU OF THE
 BUDGET IN 1968. ALL WHO TESTIFIED WERE IN FAVOR OF THE GOALS OF THE PLAN. THE SPONSOR OF THE
 UNFAVORABLE RESOLUTION FELT THAT SUCH A PLAN WAS NECESSARY BUT HE OPPOSED THE PLAN CITED
 BECAUSE IT DID NOT CONTAIN A REFERENCE TO THE QUESTION OF COMPUTER PRIVACY. SOME TESTIMONY
 MENTIONED THE FEAR OF A SHIFT IN POWER FROM THE FCC TO THE WHITE HOUSE, BUT TESTIMONY BY
 CHAIRMAN DEAN BURCH (FCC) SEEMED TO DISPEL THIS FEAR. HB

8347C HYDE, ROSEL H. 8347C
 NEW HORIZONS, NEW CHALLENGES
 ADDRESS BEFORE THE ELECTRONICS INDUSTRIES ASSOCIATION 45TH ANNUAL CONVENTION, CHICAGO, JUNE 24,
 1969. FCC PUBLIC NOTICE 34016. 6P
 // FCC PROGRAMMING
 DISCUSSES THE FCC'S ATTEMPT TO KEEP ITS REGULATORY PHILOSOPHY ABREAST OF TECHNOLOGICAL ADVANCES,
 WITH REGULATION AIMED AT PROMPTING MAXIMUM DIVERSITY. ONE BASIC GOAL IS TO ENCOURAGE DIVERSITY
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 SERVICES. DESCRIBES INSTANCES OF THE FCC'S SEARCH FOR DIVERSITY (SUBSCRIPTION TV AND CATV) AND
 CITES ITS SUBSEQUENT REGULATIONS AIMED AT PROTECTING PRESENT COMMUNICATION MODES. WITH THE
 GROWTH OF SATELLITE COMMUNICATION AND COMMUNICATIONS LINKED COMPUTER SERVICES, THE FCC WILL
 SEEK REGULATION BASED ON THESE SAME PHILOSOPHIES AND POLICIES. JK

8348C BURCH, DEAN 8348C
 ADDRESS
 ADDRESS BEFORE THE ANNUAL CONVENTION OF THE NATIONAL CABLE TELEVISION ASSOCIATION, CHICAGO, JUNE
 10, 1970. FCC NEWS 50415. 5P
 // CATV FCC
 DISCUSSES THE DEVELOPMENT OF FCC POLICY ON CATV. IN THE AUTHOR'S VIEW, '...ANY CONSTRUCTIVE
 PROGRESS REQUIRES A POLICY WHICH INSURES THE HEALTHY GROWTH OF BOTH CABLE AND BROADCASTING,
 WITH THE COPYRIGHT OWNER FAIRLY COMPENSATED.' DISCUSSES CATV COPYRIGHT PROBLEMS IN UNDERSERVED
 MARKETS AND IN MAJOR MARKETS. PRESENTS A PLAN AIMED AT PROMOTING BROADCASTING SERVICES NEEDING
 ASSISTANCE (ETV AND UHF) WITHOUT HURTING VHF AND AT ENCOURAGING DIVERSITY IN THE SOURCE OF
 PROGRAMS. THE PLAN PERMITS DISTANT SIGNALS USING LOCAL UHF STATION COMMERCIALS. CATV, IN
 MAJOR MARKETS, WOULD PAY COPYRIGHT FEES AND 5 PERCENT OF ITS SUBSCRIBER FEES TO PUBLIC
 BROADCASTING. CONCLUDES STRESSING THE NEED FOR CATV TO ACT AS AN OUTLET FOR LOCAL EXPRESSION
 AND THE ESTABLISHMENT OF TECHNICAL STANDARDS TO ASSURE THE POSSIBILITY OF INTERCONNECTIONS WITH
 MICROWAVE OR SATELLITE COMMUNICATION SERVICES. JK

8350C PAGLIN, MAX D. 8350C
 REGULATORY ASPECTS OF SATELLITE COMMUNICATIONS SYSTEMS
 PAGES 193-6 IN NATIONAL CONFERENCE ON THE PEACEFUL USES OF SPACE, SEATTLE, MAY 8-10, 1962.
 WASHINGTON, D.C., NASA. OFFICE OF SCIENTIFIC AND TECHNICAL INFORMATION, 1962
 // FCC COMSAT ACT-1962
 PAGLIN STATES THE PROPOSED POLICY OBJECTIVES AND REGULATORY PROVISIONS OF THE COMMUNICATIONS
 SATELLITE ACT OF 1962, UNDER CONSIDERATION IN THE U.S. CONGRESS. HE IS SPEAKING WITHIN THE
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 FCC MUST ISSUE RULES AND REGULATIONS TO INSURE COMPETITIVE BIDDING IN PROCUREMENT. OTHER
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 AMONG NATIONS AND A FAIR AND TECHNICALLY FEASIBLE PLAN OF FREQUENCY SPECTRUM MANAGEMENT. CM

8351C SHUTE, JOHN V. 8351C
 THE STRUGGLE FOR INTERCONTINENTAL TELEVISION, INTRODUCTION AND PART I - THE EARLY-BIRD ERA
 EBU REVIEW 1088, P52-63, MARCH 1968
 // ICSC FCC HS303 TARIFFS
 THE AUTHOR DISCUSSES THE HISTORY OF THE RATE AND TARIFF STRUCTURE USED DURING THE EARLY STAGES OF
 SATELLITE COMMUNICATIONS. HE ALSO DISCUSSES THE VARIOUS INTERNATIONAL CONFERENCES WHICH
 ATTEMPTED TO SET UP A REASONABLE STANDARD RATE SYSTEM TO LOWER THE COST OF TELECOMMUNICATIONS
 SO THAT THE POTENTIAL OF SATELLITE COMMUNICATIONS COULD BE REALIZED. THE ARTICLE LISTS THE
 MAJOR INTERNATIONAL AGENCIES WHICH ARE CONCERNED WITH THE ADMINISTRATION OF THE SYSTEM, AND
 DISCUSSES THE STRUCTURE OF THE SYSTEM USED IN THE U.S. (SEE 8352-3) HB

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8352C SHUTE, JOHN V. 8352C
 THE STRUGGLE FOR INTERCONTINENTAL TELEVISION, PART I (SECTION 2) - THE EARLY-BIRD ERA
 EBU REVIEW 109B, P56-65, MAY 1968
 // CEPT EBU TARIFFS
 CONTINUING HIS HISTORY OF THE DEVELOPMENT OF SATELLITE TELECOMMUNICATIONS, THE AUTHOR DISCUSSES SEVERAL INTERNATIONAL STUDY GROUPS WHICH MET IN 1965-66 TO CONSIDER VARIOUS TARIFF STRUCTURES. THE MAIN PURPOSE OF THESE TALKS WAS TO MINIMIZE THE CONTROL OVER THIS FIELD BY THE U.S. THE EBU MADE VARIOUS RECOMMENDATIONS TO THESE STUDY GROUPS, BUT THE RECOMMENDATIONS WERE NOT FOLLOWED. THE ARTICLE ALSO DEALS WITH THE TELEVISION COVERAGE OF THE LATER GEMINI RECOVERIES AND THE PROBLEMS WHICH ACCOMPANIED IT, SUCH AS PROHIBITIVE RATES AND POOR TECHNICAL RESULTS. (SEE 8351 AND 8353) HB

8353C SHUTE, JOHN V. 8353C
 THE STRUGGLE FOR INTERCONTINENTAL TELEVISION, PART II - THE INTELSAT II PERIOD
 EBU REVIEW 110B, P65-73, JULY 1968
 // HS303A CEPT TARIFFS
 AS INTELSAT II WAS BEING DEVELOPED, THE FCC BEGAN TO TAKE AN ACTIVE ROLE IN THE RATE STRUCTURING OF THE USE OF SATELLITE TELECOMMUNICATIONS. INTELSAT II, WITH ITS GREATER CIRCUIT CAPACITY, WAS EXPECTED TO CAUSE A LOWERING OF THE CURRENT TARIFFS. HOWEVER, IT FAILED TO ATTAIN SYNCHRONOUS ORBIT OVER THE PACIFIC, AND A NEW TEMPORARY TARIFF WAS LEVIED TO OFFSET THE ADDED COSTS OF USING A SATELLITE IN ECCENTRIC ORBIT. IN JANUARY 1968, THE NETWORKS REACHED THEIR OWN AGREEMENT WITH COMSAT AND DROPPED OUT OF THE FCC HEARINGS. THE MAJOR CAUSE OF THE HIGH TARIFF STRUCTURE WAS THE INABILITY TO CARRY SIMULTANEOUS TELEPHONE AND TV TRANSMISSIONS. INTELSAT III IS EXPECTED TO REMEDY THIS SITUATION. SEE 8351-2. HB

8361C BEZENCCN, MARCEL 8361C
 EUROVISION AND THE SATELLITES, HARMONY OR HEGEMONY
 EBU REVIEW 111B, P10-11, SEPT 1968
 // EUROVISION
 THE AUTHOR QUESTIONS THE ADVISABILITY OF USING DISTRIBUTION SATELLITES OR DIRECT BROADCASTING SATELLITES IN THE LIGHT OF THE POSSIBLE IMPACT OF TODAY'S PROGRAMMING UPON A WORLD MASS AUDIENCE. HE FURTHER EXPRESSES THE FEAR THAT SATELLITES MAY BE USED TO PREDOMINATE OVER OTHER NATIONS. THE ROLE WHICH EUROPE AND EUROVISION PLAY, OR HOPE TO PLAY IN THE FUTURE, IN THE USE OF SATELLITE COMMUNICATIONS IS DESCRIBED. THE AUTHOR SEES LITTLE HOPE FOR EUROPEAN INFLUENCE IN THE SATELLITE COMMUNICATIONS FIELD BECAUSE OF A LACK OF EUROPEAN COOPERATION, U.S. AND USSR DOMINANCE IN THE FIELD AND THE LACK OF A EUROPEAN DISTRIBUTION SATELLITE. HOWEVER, THE AUTHOR HOPES THAT '...WE SHALL MANAGE TO USE COMMUNICATIONS SATELLITES IN A DEMOCRATIC WAY, BASED ON THE PRINCIPLES WHICH GOVERN THE UNITED NATIONS...' AND THAT '...A PLACE COULD BE FOUND, IN THE GENERAL SYSTEM, FOR A EUROPEAN SATELLITE WHICH WOULD SERVE BOTH THE NEEDS OF EUROVISION AND CONSEQUENTLY OF EUROPE.' KS

8362C D'ARCY, JEAN 8362C
 DIRECT-BROADCAST SATELLITES AND FREEDOM OF INFORMATION
 UNDATED MIMEO. 20P. TRANSLATED FROM THE FRENCH
 // REGIONAL-SYSTEMS ITU EBU UN
 THE AUTHOR TAKES A HUMANISTIC APPROACH IN HIS DISCUSSION OF SATELLITE COMMUNICATIONS. AFTER GIVING A BRIEF EXPLANATION OF NEW TECHNICAL DEVELOPMENTS, HE DISCUSSES FUTURE USES OF SATELLITE SYSTEMS AND CALLS FOR A STRONG INTERNATIONAL ORGANIZATION TO PRESERVE FREEDOM OF INFORMATION. THE ROLES OF THE ITU, EBU, EUROVISION, AND THE U.N. ARE DISCUSSED. THE AUTHOR CALLS FOR A POSITIVE AND COOPERATIVE APPROACH TO THE PROBLEMS THAT MUST BE SOLVED. THE MAIN PROBLEM CAUSED BY DIRECT BROADCAST SATELLITES IS THAT THEY IGNORE NATIONAL BORDERS. 'THE DIFFICULTIES MET BY THE UNITED NATIONS GENERAL ASSEMBLY ON THE WAY TOWARD AN INTERNATIONAL CODE OF CONDUCT FOR INFORMATION MEDIA AND TOWARD A CONVENTION AND A DECLARATION ON FREEDOM OF INFORMATION ARE A CLEAR LESSON THAT WE MUST PROCEED NOT ON A UNIVERSAL SCALE BUT ON A MORE MODEST, REGIONAL SCALE. THERE THE HOMOGENEITY OF TRADITIONS AND CULTURES AND THE SIMILAR DEGREES OF POLITICAL, ECONOMIC AND SOCIAL DEVELOPMENT ALLOW NEIGHBORING STATES TO TRUST EACH OTHER IN A COMMON VENTURE THAT, THEY KNOW, WILL BENEFIT THEIR PEOPLE.' CM

8363C MASOUE, CLAUDE 8363C
 SOME REFLECTIONS ON THE PROTECTION OF SIGNALS TRANSMITTED VIA COMMUNICATIONS SATELLITES
 EBU REVIEW 121B, P54-7, MAY 1970
 // BIRPI ROME-CONVENTION DIRECT-BROADCASTING COPYRIGHT PIRACY
 WITH THE ADVENT OF POWERFUL DISTRIBUTION SATELLITES AND WITH FUTURE DIRECT BROADCAST SATELLITES, NATIONS WILL NOT BE ABLE TO CONTROL THE GEOGRAPHIC AREA IN WHICH BROADCASTS WILL BE RECEIVED AND THERE WILL THEREFORE BE NO WAY TO PROTECT BROADCAST SIGNALS FROM UNAUTHORIZED USE. THE AUTHOR REVIEWS THE VARIOUS BIRPI, ITU, U.N. AND UNESCO MEETINGS AT WHICH THE COPYRIGHT PROBLEM OF UNAUTHORIZED USE OF SATELLITE BROADCASTS WAS DISCUSSED AND REPORTS THREE OF THE SOLUTIONS CONSIDERED. THE ROME CONVENTION FOR THE PROTECTION OF PERFORMERS, PRODUCERS OF PHONOGRAMS AND BROADCASTING ORGANIZATIONS COULD BE REVISED TO CLARIFY THE SCOPE OF ITS PROVISIONS AND EXTENDED TO INCLUDE MORE COUNTRIES. A SECOND POSSIBLE SOLUTION PROPOSES THE APPLICATION OF THE PRESENT REGULATIONS IN THE INTERNATIONAL TELECOMMUNICATION CONVENTION WHICH GUARANTEE THE SECRECY OF INTERNATIONAL CORRESPONDENCE AND IN THE REGULATIONS IN RADIO REGULATIONS, WHICH PROHIBIT THE UNAUTHORIZED INTERCEPTION OF RADIO COMMUNICATIONS NOT INTENDED FOR PUBLIC USE. A THIRD POSSIBLE SOLUTION IS THE CREATION OF A NEW INTERNATIONAL INSTRUMENT TO GUARANTEE THE PROTECTION OF SATELLITE BROADCASTS. HB

- 8364C MASOUE, CLAUDE 8364C
 PROBLEMS OF COPYRIGHT AND NEIGHBORING RIGHTS IN THE USE OF COMMUNICATIONS SATELLITES
 EBU REVIEW 115B, P43-6, MAY 1969
 // ROME-CONVENTION
 WITH THE INCREASING USE OF SATELLITE TELECOMMUNICATIONS, NEW PROBLEMS HAVE ARISEN CONCERNING COPYRIGHT PROTECTION OF BROADCASTING. THE COPYRIGHT INTERESTS AT STAKE ARE THOSE OF AUTHORS, PERFORMERS, PRODUCERS OF RECORDS, BROADCASTING ORGANIZATIONS, NEWS AGENCIES, AND ORGANIZERS OF SPORTS EVENTS. THIS ARTICLE IS CONCERNED SPECIFICALLY WITH THE INTERESTS OF BROADCASTING ORGANIZATIONS AND GENERALLY WITH OTHER INTERESTS. THERE IS A NEED TO PROTECT BROADCASTING ORGANIZATIONS FIRST BECAUSE THEY ARE THE SOURCE OF SATELLITE TRANSMISSIONS. SUCH TRANSMISSIONS ARE INTERNATIONALLY REGULATED BY THE ROME CONVENTION OF 1961. WITHIN THE ROME CONVENTION, ARTICLE 3 DEFINES BROADCASTING, ARTICLE 6 DEALS WITH THE GRANTING OF NATIONAL TREATMENT AND ARTICLE 13 OFFERS PROTECTION OF BROADCASTS AGAINST UNAUTHORIZED USE. AFTER DISCUSSION OF THE APPLICABILITY OF THESE ARTICLES TO SATELLITE TRANSMISSION, THREE SOLUTIONS ARE SUGGESTED FOR THE PROTECTION OF COPYRIGHT INTERESTS IN SATELLITE BROADCASTING. THE FIRST SUGGESTED SOLUTION IS TO EXTEND THE SCOPE OF THE ROME CONVENTION TO MORE COUNTRIES. THE SECOND IS TO COMPLETELY REVISE THE ROME CONVENTION, BASED ON ITS PRESENT FORM. THE THIRD IS TO DRAFT AN ENTIRELY NEW TEXT. THESE SUGGESTIONS ARE MADE AND DISCUSSED WITHOUT FORMULATING A STRONG RECOMMENDATION FOR ANY OF THE ALTERNATIVES. HB
- 8366C EUROPEAN BROADCASTING UNION. DEPARTMENT OF LEGAL AFFAIRS 8366C
 REGULATIONS GOVERNING THE ORGANIZATION OF EDUCATIONAL BROADCASTING AND RELATIONS WITH GOVERNMENTAL EDUCATION AUTHORITIES
 EBU REVIEW 112B, P60-9, NOV 1968
 // FRANCE JAPAN BELGIUM AUSTRALIA ETV ORTF NHK RTB
 THE EBU DEPARTMENT OF LEGAL AFFAIRS UNDERTOOK AN ENQUIRY WHICH WAS SOUGHT TO DISCOVER WHETHER THE BROADCASTING ORGANIZATION IN A PARTICULAR COUNTRY POSSESSED SOLE AUTHORITY UNDER THE LAW TO PRODUCE AND TRANSMIT EDUCATIONAL PROGRAMMES AND, IF SO, WHETHER THERE WAS NEVERTHELESS SOME FORM OF CONTROL OR SUPERVISION BY THE MINISTRY OF EDUCATION, OR WHETHER THE PROGRAMMES WERE PRODUCED IN COLLABORATION WITH AN OUTSIDE ORGANIZATION UNDER THE CONTROL OF THE MINISTRY OF EDUCATION OR OTHERWISE. THE EBU REVIEW OFFERS HERE FOUR EXAMPLES SHOWING THE DIVERSITY OF SYSTEMS IN VARIOUS COUNTRIES. THE FOUR BROADCAST AUTHORITIES INCLUDE THE AUSTRALIAN BROADCASTING COMMISSION, RADIODIFFUSION-TELEVISION BELGE, OFFICE DE RADIODIFFUSION-TELEVISION FRANCAISE, AND NIPPON HOSO KYOKAI OF JAPAN. EACH COUNTRY'S BROADCASTING-EDUCATION RELATIONSHIP IS DESCRIBED IN DETAIL INCLUDING THE PARTICULAR NATURE OF THE ORGANIZATION OF EDUCATION, OF BROADCASTING, AND OF EDUCATIONAL BROADCASTING. CM
- 8368C MARZIN, PIERRE 8368C
 SPACE COMMUNICATIONS, EUROPEAN PROJECTS
 EBU REVIEW 118B, P19-23, NOV 1969
 // REGIONAL-EUROPE
 THE AUTHOR ACKNOWLEDGES THE SUCCESS AND USEFULNESS OF THE INTELSAT COMMUNICATIONS SYSTEM BUT FEELS THAT A SEPARATE REGIONAL EUROPEAN SATELLITE SYSTEM IS NEEDED ALSO. THE NEED IS THREEFOLD 1) FOR CONTINENTAL EUROPEAN TELEPHONE TRAFFIC 2) FOR EXTENSION OF EUROVISION AND 3) FOR EXTENSION OF SERVICE TO THE EURO-AFRICAN FRENCH SPEAKING COMMUNITY BOTH IN TELEPHONY AND TELEVISION. THE AUTHOR PROPOSES THREE ALTERNATIVES FOR IMPLEMENTING THE USE OF SATELLITE COMMUNICATIONS TO SATISFY EUROVISION'S NEEDS. NEEDS COULD BE MET BY USING INTELSAT IV WHICH IS TO BE LAUNCHED IN 1971, USING AN IMPROVED SYMPHONIE TO BE LAUNCHED BY A EUROPA II ROCKET, OR USING A CETS SATELLITE DESIGNED BY EDO/ESRO ACCORDING TO EBU STANDARDS. THE SPECIFICS AND REQUIRED CAPABILITIES OF EACH ALTERNATIVE ARE DISCUSSED AND SUPPLEMENTED BY REPRESENTATIVE MAPS. CM
- 8370C FANTI, PIERO 8370C
 EUROPEAN SATELLITE RATES FOR TELEVISION SERVICE
 EBU REVIEW 118B, P34-40, NOV 1969
 // TARIFF
 THIS ARTICLE DISCUSSES THE EVOLUTION OF TV RATES FOR SATELLITE BROADCAST, FROM THE EARLY BIRD TO INTELSAT III, INCLUDING TWO TABLES AND A CHART SHOWING SATELLITE TV UTILIZATION. WITH INTELSAT III, TV SERVICE WAS GIVEN FIXED SPACE ON THE SATELLITE CIRCUITS, AND RATES WERE SUBSTANTIALLY REDUCED. THE ARTICLE EXPLAINS THE COST VARIANCE BETWEEN THE U.S. AND EUROPE, WHICH CREATES A TYPE OF TARIFF, AND IT DISCUSSES THE PROBLEMS OF VIEWER ELASTICITY AND WHAT TYPES OF PROGRAMS ARE ECONOMICALLY FEASIBLE FOR SATELLITE BROADCAST. THE ARTICLE PUTS TV SATELLITE COMMUNICATIONS INTO PERSPECTIVE BY SHOWING HOW SMALL A PERCENTAGE OF THE PROFITS TV REVENUE REPRESENTS, AND HOW GREAT A PROBLEM CONTROL OF THE COST FACTOR IS. HB
- 8371C MARKS, LEONARD H. 8371C
 COMMUNICATIONS SATELLITES, A LAUNCH VEHICLE FOR INTERNATIONAL UNDERSTANDING
 EBU REVIEW 118B, P50-5, NOV 1969
 // INTELSAT-1969 LEGAL-PERSONALITY
 REVIEWS THE EVENTS AND PROGRESS OF INTELSAT, ITS BUSINESS OPERATION ACCORDING TO THE 1964 INTERIM AGREEMENT, AND THE PRE-CONFERENCE PLANNING, AS BACKGROUND TO A REPORT OF THE PLENIPOTENTIARY CONFERENCE ON DEFINITIVE ARRANGEMENTS FOR INTELSAT HELD IN WASHINGTON, D.C., FEB. 23-MARCH 21, 1969. THE PURPOSE OF THE CONFERENCE WAS TO CONSIDER CHANGES IN THE EXISTING ORGANIZATION TO IMPROVE ITS OPERATION. THE PRINCIPLE ISSUES ON THE AGENDA INCLUDED THE LEGAL STATUS OF INTELSAT, THE SCOPE OF INTELSAT OPERATIONS, ORGANIZATION, MANAGEMENT AND PROCUREMENT. THE CONFERENCE WAS RECESSED UNTIL NOV. 1969 AND A COMMITTEE ASSIGNED TO CONSIDER FURTHER THE UNRESOLVED QUESTIONS ON THE AGENDA. THE AUTHOR OUTLINES THE AGREEMENT WHICH HE JUDGES WILL BE MADE PERMANENT IN THE FUTURE CONFERENCE. SOME OF THE LEGAL PROBLEMS CONSIDERED AT THE MARCH 1969 CONFERENCE INCLUDE THE APPROPRIATENESS OF A LEGAL PERSONALITY FOR INTELSAT, THE QUESTION OF MEMBER RIGHTS FOR INVENTIONS AND TECHNICAL INFORMATION AND TRANSITION FROM THE INTERIM AGREEMENT TO THE DEFINITIVE AGREEMENT. HB

RECID INDEX

- 8373C HAMILTON, W.S. 8373C
 AUSTRALIA'S DWINDLING ISOLATION, SATELLITES BRIDGE TIME AND SPACE
 EBU REVIEW 118B, P59-62, NOV 1969
 // PACIFIC
 THE AUTHOR GIVES AN HISTORICAL ACCOUNT OF THE INTRODUCTION OF COMMERCIAL BROADCASTS VIA SATELLITE TO AUSTRALIA AND DESCRIBES THE AUSTRALIAN SITUATION AS BEING A PRIME EXAMPLE OF HOW SATELLITE COMMUNICATIONS WILL BENEFIT OTHERWISE ISOLATED AREAS. THE AUTHOR FEELS THAT AUSTRALIAN INTERCOMMUNICATIONS WITH ITS PACIFIC AND ASIAN NEIGHBORS ARE ESSENTIAL IN THE NEAR FUTURE. HE SUGGESTS THAT AUSTRALIA MUST RECOGNIZE THAT ITS FUTURE IS LINKED WITH ASIA, WHILE KEEPING ITS CULTURAL TIES WITH THE U.S. AND EUROPE. THE ARTICLE EXPLAINS THAT A PROGRAM MUST CURRENTLY BE ROUTED WESTWARD AROUND THE WORLD IN ORDER TO REACH AUSTRALIA AND THAT COST IS STILL SO RESTRICTIVE THAT THE IMPORTANCE OF THE EVENT RATHER THAN A SCHEDULE OF TIME DICTATES SATELLITE USE. HB
- 8375C MOORE, SPENCER 8375C
 THE CANADIAN-BROADCASTING-CORPORATION AND A DOMESTIC COMMUNICATIONS SATELLITE
 EBU REVIEW 118B, P72-5, NOV 1969
 // TELESAT DOMESTIC-CANADA BILL-C-184
 DESCRIBES THE HISTORICAL DEVELOPMENT OF CANADA'S PLAN TO ESTABLISH A DOMESTIC SATELLITE COMMUNICATIONS SYSTEM. THE TELESAT OF CANADA ACT, PASSED INTO LAW JUNE 1969 (BILL C-184), ESTABLISHED THE TELESAT-CANADA CORPORATION, WHICH IS A PUBLIC CORPORATION WITH THE GOVERNMENT, PRIVATE INDUSTRY AND THE PUBLIC EACH OWNING ONE-THIRD. THE ARTICLE LISTS THE CORPORATION'S OFFICERS, DESCRIBES THE SYSTEM'S TECHNICAL CONFIGURATIONS AND CAPABILITIES AND DISCUSSES THE ECONOMICS OF ESTABLISHING A MIXED SATELLITE AND MICROWAVE SYSTEM ENABLING NATIONAL DISTRIBUTION OF TELEVISION, TELEPHONE AND DATA TRAFFIC. DESCRIBES CBC CURRENT OPERATIONS AND OPERATIONAL CHANGES NECESSARY TO MAINTAIN THE PRESENT GRADE OF SERVICE OVER A SPAN OF 7 TIME ZONES. THE TWO SATELLITES PLANNED ARE SCHEDULED TO BE LAUNCHED BY THE U.S. FOR CANADA IN 1972 AND 1973. HB
- 8378C TRIBUS, MYRON 8378C
 THE FEDERAL ROLE IN TELECOMMUNICATIONS
 ADDRESS BEFORE THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INTERNATIONAL CONFERENCE ON COMMUNICATIONS, BOULDER, COLORADO, JUNE 10, 1964
 THE INFORMATION AND PROCESSING REVOLUTION HAS EXTENDED MAN'S POWER BEYOND PHYSICAL LABOR. THE FEDERAL GOVERNMENT MUST ASSUME MAJOR LEADERSHIP IN POLICY DECISIONS TO GUIDE THIS TECHNOLOGICAL REVOLUTION TOWARD THE MAXIMUM PUBLIC BENEFIT. INCREASED GOVERNMENTAL AWARENESS OF NEW DEVELOPMENTS IN COMMERCIAL, PUBLIC, AND GLOBAL COMMUNICATIONS AND DATA TRANSMISSION IS NECESSARY. THE AUTHOR OUTLINES FOUR SPECIFIC GOVERNMENTAL NEEDS FOR ACHIEVING THIS AWARENESS. 1) GOVERNMENT POLICY-MAKERS NEED A SOLID RESEARCH BASE TO AVOID DECISIONS MADE ON INSUFFICIENT DATA. 2) GOVERNMENT POLICY-MAKERS NEED A SYSTEMS ANALYSIS CAPABILITY. 3) GOVERNMENT POLICY MUST CONSIDER NOT MERELY SPECTRUM BUT ELECTROSPACE MANAGEMENT. THIS INVOLVES THE EIGHT DIMENSIONS OF AIRSPACE IN ELECTROSPACE RATHER THAN JUST THE ONE OF FREQUENCY. 4) ALL FORMS OF COMMUNICATION MUST BE REGARDED AS INTERCHANGEABLE THROUGH AN ONGOING GOVERNMENT INVESTIGATION OF NEW SYSTEMS OF SIGNAL CARRIAGE-MICROWAVE, LASER, CABLE, ETC. THE PLANNED PARTICIPATION OF THE NATIONAL BUREAU OF STANDARDS IS REQUIRED TO ESTABLISH ANALYTICAL CRITERIA FOR COMMUNICATIONS TECHNOLOGY. SERIOUS DEVELOPMENT OF A NATIONAL INFORMATION GRID IS ENVISIONED WHICH WOULD SUPPLY PUBLIC ACCESS TO LIBRARIES, LECTURES, SCHOOL CURRICULA, AND AUDIO-VISUAL RECORDINGS OF CULTURAL ACTIVITIES THROUGH A COMPUTER-LINKED MICROWAVE SYSTEM. ALSO FORESEEN IS THE HANDLING OF ALL COMMERCIAL AND FINANCIAL TRANSACTIONS BY A CENTRAL COMPUTER-LINKED CREDIT SYSTEM. JUST AS ADEQUATE INFORMATION IS NEEDED TO PLAN EFFECTIVELY FOR DOMESTIC COMMUNICATION SYSTEMS, IT ALSO IS NEEDED TO DEVELOP A VIABLE PROGRAM FOR A GLOBAL COMMUNICATION NETWORK. JK
- 8379C U.S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE 8379C
 AN ACT TO AMEND THE COMMUNICATIONS-SATELLITE-ACT OF 1962 WITH RESPECT TO THE ELECTION OF THE BOARD OF THE COMMUNICATIONS-SATELLITE-CORPORATION
 WASHINGTON, GPO, 1969 (91ST CONGRESS, 1ST SESSION, S.17)
 THIS ACT AMENDS THE ARTICLES OF INCORPORATION OF THE COMMUNICATIONS SATELLITE CORPORATION TO INCLUDE A NEW METHOD OF SELECTING THE BOARD OF DIRECTORS. IT ALSO PROVIDES FOR THE ADOPTION OF BYLAWS WHICH WOULD ENABLE THE BOARD TO CONTINUE TO TRANSACT BUSINESS DURING A NATIONAL EMERGENCY. HB
- 8380C U.S. CONGRESS. HOUSE. COMMITTEE OF THE WHOLE HOUSE ON THE STATE OF THE UNION 8380C
 A BILL TO AMEND THE COMMUNICATIONS-SATELLITE-ACT OF 1962 WITH RESPECT TO THE ELECTION OF THE BOARD OF DIRECTORS OF THE COMMUNICATIONS-SATELLITE-CORPORATION
 WASHINGTON, GPO, 1969. (91ST CONGRESS, 1ST SESSION, H.R. 4214, REPORT NO. 91-24)
 THIS IS A BILL TO AMEND THE ARTICLES OF INCORPORATION OF THE COMMUNICATIONS SATELLITE CORP., ESTABLISHING A NEW METHOD OF SELECTING THE BOARD OF DIRECTORS. IT ALSO PROVIDES FOR THE ADOPTION OF BYLAWS WHEREBY THE BOARD COULD CONTINUE TO TRANSACT BUSINESS IN CASE OF NATIONAL EMERGENCY DECLARED BY THE PRESIDENT, WHEN A MEETING OF THE MAJORITY OF THE BOARD WOULD NOT BE POSSIBLE. HB
- 8383C BEZENCON, MARCEL 8383C
 MIST VEILS AN IMMENSE HORIZON
 EBU REVIEW I04B, P10-11, JULY 1967
 // EUROVISION MONDOVISION
 BEZENCON FEELS THAT EUROVISION IS BEING CHANGED BY THE INTRODUCTION OF A NEW TECHNOLOGY, COMMUNICATION SATELLITES. THE TRANSITION FROM A TIGHT FRAMEWORK TO A SYSTEM OF GLOBAL SCOPE IS DIFFICULT BECAUSE OF SOCIAL CHANGE IN EUROPE. CONTROL OF EUROVISION IS SHIFTING FROM THE HANDS OF PROFESSIONAL BROADCASTERS TO THOSE OF GOVERNMENTS. THIS THREAT IS AFFECTING MONDOVISION - A SYSTEM OF WORLD TELEVISION DIRECT BROADCASTING WHICH IS PRESENTLY UNDER CONSIDERATION BY THE EBU. A POSSIBLE LOSS OF NATIONAL INDEPENDENCE IS FEARED. INCLUDES MAP OF PRESENT WORLD TELEVISION SATELLITE COVERAGE. JK

8395C

PEPIN, EUGENE

8395C

PROBLEMS RAISED BY DIRECT-RADIOCOMMUNICATION SATELLITES

TELECOMMUNICATION JOURNAL 37,2, P82-4, FEB 1970

// ARTICLE-7 CNRS FREE-FLOW-OF-INFORMATION

UNDER THE CHAIRMANSHIP OF PROFESSOR COLLIARD, THE WORKING PARTY ON SPACE LAW OF THE FRENCH CNRS EXAMINED THE IMPLICATIONS OF DIRECT BROADCASTING SATELLITES AT VARIOUS MEETINGS IN APRIL AND MAY, 1969. WHILE CONCLUDING THAT DIRECT BROADCASTS COULD BE RECEIVED BY COMMUNITY RECEIVERS BY 1975, THE WORKING GROUP ALSO NOTED THAT INDIVIDUAL RECEPTION WILL PROBABLY COME MUCH LATER. ONE PROBLEM OF DIRECT BROADCASTING IS THAT THE ENORMOUS RECEPTION ZONE CREATED BY SATELLITE BROADCASTS WOULD VIOLATE ARTICLE 7 OF THE RADIO REGULATIONS. ARTICLE 7 RESTRICTS BROADCASTING POWER IN ORDER TO LIMIT BROADCASTS TO NATIONAL, RATHER THAN INTERNATIONAL SERVICES. OTHER RISKS OF DIRECT BROADCASTING ARE FALSE NEWS BROADCASTS, PROPAGANDA BROADCASTS, AND COUNTRIES TRYING TO IMPOSE THEIR CULTURE ON OTHERS. NONETHELESS, MANY POSITIVE CONSEQUENCES ARISING FROM THE USE OF SATELLITE DIRECT BROADCASTING WOULD PROVIDE FOR THE LARGE SCALE DISSEMINATION OF KNOWLEDGE, EDUCATIONAL AND ECONOMIC ADVANTAGES FOR DEVELOPING COUNTRIES, GREATER INTERNATIONAL UNDERSTANDING, IMPROVED PROGRAMMING DUE TO LARGER AUDIENCES, AND BETTER RECEPTION IN MOUNTAINOUS REGIONS. TWO PRINCIPLES OF INTERNATIONAL LAW CAN BE INVOKED IN FAVOR OF DIRECT BROADCASTING, THE PRINCIPLE OF FREEDOM OF SPACE AND THE PRINCIPLE OF FREEDOM OF INFORMATION. YET, THESE PRINCIPLES CANNOT BE ABSOLUTE IN SCOPE, FOR THEY ARE BOTH RESTRICTED BY SPECIFIC DOCUMENTS OF INTERNATIONAL LAW. TO CONTROL DIRECT BROADCASTING, INTERNATIONAL REGULATORY PRINCIPLES AND A MEANS OF SUPERVISION, POSSIBLY VIA A WORLD ORGANIZATION, ARE ESSENTIAL. FK

8396C

RAD. V.V.

8396C

PROMOTION OF PUBLIC AND PRIVATE TELECOMMUNICATIONS AND FREQUENCY MANAGEMENT IN THE DEVELOPING-COUNTRIES

TELECOMMUNICATION JOURNAL 37,3, P130-2, MARCH 1970

// COMMON-CARRIERS OWNERSHIP

EVEN THOUGH UNDERDEVELOPED COUNTRIES ARE AT A DISADVANTAGE WITH INADEQUATE COMMUNICATIONS FACILITIES, THE PROMOTION OF ACCELERATED TELECOMMUNICATION PLANS GEARED TO THE RATE OF SOCIAL DEVELOPMENT OFTEN IS NEGLECTED. NATIONAL TELECOMMUNICATIONS SYSTEMS SUFFER FROM SPORADIC EFFORTS WITHOUT BASIC PLANNING AND FROM CONFLICT BETWEEN PROPER TECHNICAL AND ECONOMIC CONSIDERATIONS AND POLITICAL EXPEDIENCY AS A BASIS FOR DECISION-MAKING. THE AUTHOR FEELS THAT TELECOMMUNICATIONS ACHIEVES THE MAXIMUM UTILITY WHEN ORGANIZED AS A COMMON CARRIER WITH EFFECTIVE REGULATION, AN ADEQUATE EXPRESSION OF NATIONAL POLICY AND A BALANCED USE OF PRIVATE CARRIERS. THE AUTHOR OFFERS GUIDELINES FOR BLENDING PRIVATE TELECOMMUNICATION LINKS WITH A COMMON CARRIER SYSTEM. BY DEFINING THE TECHNICAL CAPABILITIES OF COMMON CARRIER LINES, THE DEMANDS WHICH CANNOT BE MET BY THEM MAY JUSTIFIABLY BE ACCOMMODATED BY PRIVATE LINES. ECONOMIC CONSIDERATIONS IN A DEVELOPING NATION REQUIRE A CAREFUL BALANCE BETWEEN THE PRIVATE SECTOR AND THE ECONOMY OF THE COUNTRY AS A WHOLE IN THE CONTEXT OF THE NATIONAL SITUATION. OPERATIONAL CONSIDERATIONS, SUCH AS THE NEED FOR MOBILE AND EMERGENCY SERVICES, SECRECY IN COMMUNICATION, AND DATA TRANSMISSION, MAY INDICATE THAT PRIVATE LINES SHOULD BE USED. YET, CAREFUL HEARINGS SHOULD FORM THE BASIS FOR A DECISION EITHER TO USE PRIVATE LINES OR TO EXTEND HIGH-GRADE PUBLIC CARRIER LINES TO FUNCTION IN THESE OPERATIONAL CAPACITIES. THE LIMITED RADIO FREQUENCY SPECTRUM MUST BE USED IN AN INTELLIGENT AND SYSTEMATIC MANNER. THE AUTHOR DISCUSSES THE USAGE OF THE VARIOUS FREQUENCY BANDS AND POINTS OUT THE ISSUES INVOLVED WHICH SHOULD BE GIVEN CONSIDERATION BY THOSE WHO MANAGE FREQUENCY ALLOCATION IN DEVELOPING COUNTRIES. JK

8398C

LEIVE, DAVID M.

8398C

REGULATING THE USE OF THE RADIO SPECTRUM

TELECOMMUNICATION JOURNAL 37,6, P268-81, JUNE 1970

// IFRB ITU FREQUENCY ITC

THIS ARTICLE EXAMINES THE ITU REGULATORY REGIME, THE BODY OF LAW ESTABLISHED BY THE INTERNATIONAL TELECOMMUNICATION CONVENTION AND RADIO REGULATIONS, AND THE ADMINISTRATION, INTERPRETATION AND ENFORCEMENT OF THIS LAW BY THE IFRB. FOUR MAIN TOPICS ARE CONSIDERED 1) THE POWERS AND PROCEDURES OF THE IFRB 2) THE RIGHTS AND OBLIGATIONS OF FREQUENCY ALLOCATIONS IN THE LIGHT OF LEGAL PRINCIPLES OF INTERNATIONAL LAW WITH SPECIFIC ATTENTION PAID TO HARMFUL INTERFERENCE 3) WHETHER THE IFRB IS THE APPROPRIATE BODY TO CONSIDER FREQUENCY ALLOCATION AND 4) POSITIVE SUGGESTIONS FOR THE STRENGTHENING OF THE IFRB OR A BODY SIMILAR TO THE IFRB. THE AUTHOR '...IS CONVINCED THAT THE REGULATORY REGIME URGENTLY NEEDS IMPROVEMENTS, THAT THEY SHOULD BE DESIGNED TO STRENGTHEN AND SIMPLIFY THE INTERNATIONAL MACHINERY AND TO CLARIFY AND EXPAND THE LEGAL PRINCIPLES, AND THAT SUCH IMPROVEMENTS CAN MOST FEASIBLY BE EFFECTED BY A GRADUAL APPROACH WITHIN THE EXISTING FRAMEWORK OF THE ITU CONVENTION AND THE RADIO REGULATIONS.' INCLUDED IS A DETAILED ANALYSIS OF THE AUTHOR'S RECOMMENDATIONS. CM

8399C

BERRADA, ABDERRAZEK

8399C

SOME ASPECTS OF REGULATIONS FOR BROADCASTING (INCLUDING TELEVISION)

TELECOMMUNICATION JOURNAL 37,9, P636-46, SEPT 1970

// TECHNICAL-ASPECTS FREQUENCY IFRB ITU ITC RADIO-REGULATIONS COPENHAGEN-PLAN

IN ORDER FOR THE BENEFITS OF BOTH TERRESTRIAL AND SPACE BROADCASTING TO AID ALL OF THE NATIONS OF THE WORLD, REGULATIONS GOVERNING THE USE OF BROADCASTING AND THE ASSIGNMENT OF FREQUENCIES MUST BE INITIATED. PREVIOUS ITU EFFORTS IN THIS AREA HAVE BEEN GENERALLY UNSUCCESSFUL. THE ITU, WHICH IS PLEDGED TO ALLOCATE AND REGISTER RADIO FREQUENCIES IN SUCH A WAY AS TO AVOID INTERFERENCE, IS RULED BY THREE CONFERENCES AND FOUR PERMANENT ORGANS. ONE OF THESE ORGANS, THE IFRB, IS RESPONSIBLE FOR THE MANAGEMENT OF LF, MF, HF, VHF, AND UHF FREQUENCIES. CONCENTRATING ON LF AND MF FREQUENCIES, THE ITU ADMINISTRATIVE RADIO CONFERENCE MET IN ATLANTIC CITY IN 1947 AND DEMANDED MANDATORY COMPLIANCE WITH THE ITU'S TABLE OF FREQUENCY ALLOCATIONS. LIKEWISE, THE 1948 COPENHAGEN PLAN TRIED TO BRING ORDER TO CHAOTIC EUROPEAN LF AND MF BROADCASTING, BUT FAILED FOR MANY REASONS INCLUDING A LACK OF PARTICIPATION AND THE FACT THAT IT QUICKLY BECAME OUTDATED, AS DID SIMILAR ITU PLANS IN OTHER REGIONS. REGARDING UNSTABLE HF PROPAGATION, THE ITU HAS RECOGNIZED THE IMPOSSIBILITY OF PRECISE REGULATION AND HAS MERELY POINTED OUT POTENTIAL INTERFERENCE PROBLEMS. MEANWHILE, A EUROPEAN PLAN HAS SUCCESSFULLY DEALT WITH VHF AND UHF PROPAGATION, BUT SATELLITES REQUIRING SEPARATE FREQUENCIES WILL CAUSE ADDITIONAL PROBLEMS. THE STATUTORY ASPECTS OF BROADCASTING, INVOLVING CONFLICTS BETWEEN NATIONAL AND INTERNATIONAL CONCEPTS, ARE COVERED BY ONLY TWO RELEVANT DOCUMENTS, THE ITU CONVENTION AND THE ITU RADIO REGULATIONS. IN THESE DOCUMENTS NUMEROUS PROVISIONS HAVE BEEN ADOPTED, BUT AS YET, HAVE NOT BEEN EFFECTIVELY PUT INTO PRACTICE. FK

REC'D INDEX

8403C

8403C

TWENTY-THIRD ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 101B, P65-7, JAN 1967

// EBU ADVERTISING

THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION AT THE SEPT. 28 - OCT. 1, 1966 MEETING OF THE EBU LEGAL COMMITTEE. MEMBERS DISCUSSED REVISION OF THE BERNE CONVENTION, STRUCTURAL REFORM OF BIRPI, EUROVISION'S COPYRIGHT PROBLEMS AND NEWSFILM USAGE, CROSS-NATIONAL ADVERTISING IN SPORTSCASTING, SPORTSCASTING IN GENERAL, AND ASSISTANCE TO BROADCASTING ORGANIZATIONS IN DEVELOPING COUNTRIES (NOTABLY AFRICAN AND ASIAN ORGANIZATIONS). ALSO DISCUSSED WERE WIRE DISTRIBUTION OF TELEVISION BROADCASTS, CLOSED-CIRCUIT AND PAY TELEVISION, RIGHT OF REPLY AND RECTIFICATION IN BROADCASTING, THE UNESCO MEETING OF EXPERTS TO MEET IN GENEVA IN 1967 TO CONSIDER THE FLORENCE AGREEMENT AND THE BEIRUT AGREEMENT - BOTH DESIGNED TO FACILITATE THE FREE CIRCULATION OF CULTURAL MATERIALS BY PERMITTING THEIR DUTY-FREE IMPORTATION, PORTUGUESE COPYRIGHT LEGISLATION, THE FUTURE POLICY OF COMSAT REGARDING SATELLITE LAUNCHINGS AND TARIFFS, NATIONAL LEGISLATION ON PIRATE STATIONS, AND EBU RELATIONS WITH OTHER ORGANIZATIONS. NEW OFFICERS WERE ELECTED FOR 1967 AND 1968. KS

8404C

8404C

TWENTY-FOURTH ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 104B, P71-3, JULY 1967

// EBU

THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION AT THE APRIL 26-28, 1967 MEETING OF THE EBU LEGAL COMMITTEE. MEMBERS DISCUSSED REVISION OF THE BERNE CONVENTION, EUROVISION'S COPYRIGHT PROBLEMS, INTERNATIONAL SPORTSCASTING, CLOSED-CIRCUIT AND PAY TELEVISION, STANDARD CONTRACTS FOR JOINT COMMISSIONING OF AUTHORS, PROGRESS IN SATELLITE TELECOMMUNICATIONS, THE EUROPEAN AGREEMENT CONCERNING PROGRAMME EXCHANGES BY MEANS OF TELEVISION FILMS, DUTY-FREE IMPORTATION OF EDUCATIONAL, SCIENTIFIC AND CULTURAL MATERIALS, ASSISTANCE TO BROADCASTING ORGANIZATIONS IN DEVELOPING COUNTRIES, SWEDISH BROADCASTERS' LIABILITY FOR PROGRAMME CONTENT, HIRE FEE FOR MATERIALS USED IN TELEVISED REHEARSALS, ADVERTISING IN SPORTSCASTING AND THE MEXICO OLYMPIC GAMES. REGARDING SATELLITE TELECOMMUNICATIONS, THE WORKING PARTY WHICH WAS STUDYING LEGAL PROBLEMS RAISED BY SATELLITE BROADCASTING SUBMITTED A THREE PART REPORT. FIRST, A REPRESENTATIVE OF ABC GAVE A REPORT ON THE SATELLITE LINK BETWEEN THE U.S. AND EUROPE SUMMARIZING CURRENT REGULATIONS AND NOTING FUTURE PERSPECTIVES. SECOND, THE DELEGATE OF THE NHK DISCUSSED THE SATELLITE CIRCUIT BETWEEN THE U.S. AND THE FAR EAST CREATED BY INTEL SAT II B. FINALLY, A REPRESENTATIVE OF NRU/NTS (NETHERLANDS) DESCRIBED PLANS AND EXPECTED DEVELOPMENTS TOWARD A EUROPEAN DISTRIBUTION SATELLITE. KS

8405C

8405C

TWENTY-FIFTH ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 107B, P59-61, JAN 1968

// EBU

THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION AT THE AUTUMN 1967 MEETING OF THE EBU LEGAL COMMITTEE. MEMBERS DISCUSSED THE SUBSTANTIVE CLAUSES OF THE REVISED BERNE CONVENTION, THE COMPATIBILITY OF THE EUROPEAN AGREEMENT CONCERNING PROGRAMME EXCHANGES BY MEANS OF TELEVISION FILMS WITH THE REVISED BERNE CONVENTION, ASSISTANCE TO BROADCASTING ORGANIZATIONS OF DEVELOPING COUNTRIES IN THE LIGHT OF THE PROTOCOL REGARDING DEVELOPING COUNTRIES, AFRICAN DOMESTIC COPYRIGHT LEGISLATION, EUROVISION'S COPYRIGHT PROBLEMS, THE REPORT OF THE SATELLITES WORKING PARTY, ADVERTISING IN SPORTSCASTING, THE ROME CONVENTION, USE OF NEWSFILMS IN THE EUROVISION NETWORK, AND THE FLORENCE AGREEMENT. U.S., JAPANESE AND AUSTRALIAN DELEGATES REPORTED THE LATEST DEVELOPMENTS AND PERSPECTIVES OPENED UP BY NEW SATELLITE LAUNCHINGS, AND EUROPEAN DELEGATES DISCUSSED THE PROSPECT OF BROADCAST DISTRIBUTION SATELLITES. THE PARTY RECOMMENDED THAT THE EBU CONTINUE TO SECURE ACCESS TO SATELLITES FOR BROADCASTERS. KS

8406C

8406C

TWENTY-SIXTH ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 110B, P81-3, JULY 1968

// EBU

THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION AT THE APRIL 24-27, 1968 MEETING OF THE EBU LEGAL COMMITTEE. MEMBERS DISCUSSED THE REPORT OF THE SATELLITES WORKING PARTY, ARTICLE 12 OF THE EBU STATUTES, IMPLICATIONS OF THE REVISED BERNE CONVENTION, AN INTERNATIONAL COMPENSATION SYSTEM FOR THE LOSS OF EARNINGS BY PUBLISHERS AND AUTHORS INCURRED BECAUSE OF THE APPLICATION OF THE PROTOCOL REGARDING DEVELOPING COUNTRIES, THE EUROPEAN AGREEMENT CONCERNING PROGRAMME EXCHANGES BY MEANS OF TELEVISION FILMS, ASSISTANCE TO BROADCASTING ORGANIZATIONS IN DEVELOPING COUNTRIES, EUROVISION'S COPYRIGHT PROBLEMS, THE ROME CONVENTION, AND THE FLORENCE AGREEMENT. REGARDING SATELLITE COMMUNICATION, THE COMMITTEE EXAMINED DETAILED WRITTEN REPORTS AND THE OUTCOME OF MEETINGS AND CORRESPONDENCE WITH INTEL SAT, COMSAT AND CEPT, AND NOTED THE GROWTH OF OPINION FAVORABLE TO INTEGRATION OF WORLDWIDE AND REGIONAL SYSTEMS. THE TELEVISION OF THE MEXICO OLYMPIC GAMES VIA SATELLITE WAS DISCUSSED. DELEGATES FROM THE U.S., AUSTRALIA, JAPAN AND CANADA REPORTED ON SATELLITE DEVELOPMENTS AFFECTING THEIR COUNTRIES. MEMBERS ALSO DISCUSSED THE UNESCO MEETING OF EXPERTS ON THE USE OF SATELLITE COMMUNICATIONS FOR BROADCASTING IN PARIS, JANUARY 1968, AND ADVERTISING IN INTERNATIONAL TELECASTS VIA SATELLITE. KS

REC'D INDEX

8407C

8407C

TWENTY-SEVENTH ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 1138, P63-6, JAN 1969

// EBU

THIS NEWS BRIEF REPORTS THE TOPICS DISCUSSED AT THE OCT. 9-12, 1968 MEETING OF THE EBU LEGAL COMMITTEE. BY THIS MEETING THE TOPIC OF SATELLITE TELECOMMUNICATIONS IS BEGINNING TO DOMINATE THE DISCUSSION AND PERMEATE OTHER TRADITIONAL TOPICS. MEMBERS DISCUSSED, REGARDING PROGRAM TRANSMISSIONS VIA SATELLITE, A REVIEW OF MAJOR DEVELOPMENTS, IMPLICATIONS OF ADVERTISING, THE BIRPI MEETING TO EXCHANGE VIEWS ON COPYRIGHT, DOCUMENTS DETAILING DEVELOPMENTS IN THE U.S., AUSTRALIA, JAPAN AND EUROPE, TARIFFS FOR THE EUROPEAN HALF OF THE SATELLITE CIRCUIT FOR TRANSMITTING THE MEXICO OLYMPIC GAMES, THE DETAILS OF THE CCITT PLENARY ASSEMBLY WHICH APPROVED RECOMMENDATION E 58815 GOVERNING INTERNATIONAL TELEVISION TRANSMISSIONS, VARIOUS INTERNATIONAL MEETINGS ALREADY HELD AND OTHERS THAT ARE PLANNED CONCERNING SATELLITES, AND THE UNAUTHORIZED USE OF SATELLITE BROADCASTS. MEMBERS ALSO DISCUSSED EUROVISION'S COPYRIGHT PROBLEMS, THE ROME CONVENTION, CHANGES IN THE EBU/BIEM STANDARD CONTRACT, ASSISTANCE TO BROADCASTING ORGANIZATIONS IN DEVELOPING COUNTRIES, EBU STATUTES, PUBLISHING OF THE WORK OF THE LEGAL COMMITTEE OVER THE PAST 10 YEARS, PROTECTION OF PROGRAM TITLES, WIRE DISTRIBUTION OF TELEVISION, PIRATE BROADCASTING AND UNIFORM DELIMITATION OF REPERTORIES. KS

8408C

8408C

TWENTY-NINTH ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 1198, P66-8, JAN 1970

// EBU

THIS BRIEF NEWS ITEM REPORTS THE TOPICS OF DISCUSSION AT THE OCT. 8-11, 1969 MEETING OF THE EBU LEGAL COMMITTEE. REGARDING SATELLITE TRANSMISSIONS, MEMBERS DISCUSSED ADVERTISING, TARIFFS, TELEVISION THE MEXICO WORLD CUP, THE REPORTS OF THE U.S. NETWORKS ON RATES, THE POLICY OF NETWORKS TOWARD THE CEPT, FUTURE LAUNCHINGS AND NASA ACTIVITIES, CANADA'S TELESAT, JAPAN'S SATELLITE DEVELOPMENTS, AND PROTECTION OF SATELLITE BROADCASTS AGAINST UNAUTHORIZED USE. MEMBERS ALSO DISCUSSED INTERNATIONAL COPYRIGHT, THE EUROPEAN AGREEMENT ON THE PROTECTION OF TELEVISION BROADCASTS, EBU'S AGREEMENT WITH THE INTERNATIONAL FEDERATION OF PERFORMERS, INTERNATIONAL SPORTSCASTING, EBU/BIEM STANDARD CONTRACT, PREPARATIONS FOR THE FOURTH INTERNATIONAL CONFERENCE ON EDUCATIONAL BROADCASTING AND OTHER STANDARD EBU BUSINESS. KS

8418C

8418C

TWENTY-SECOND ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 988, P64-6, JULY 1966

// EBU ADVERTISING

THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION AT THE APRIL 20-23, 1966 MEETING OF THE EBU LEGAL COMMITTEE. DISCUSSION COVERED THE PREPARATIONS FOR THE REVISION OF THE BERNE CONVENTION, INFORMATION ON THE STRUCTURAL REFORM OF BIRPI, EUROVISION'S COPYRIGHT PROBLEMS AND NEWSFILM USAGE, ADVERTISING IN INTERNATIONAL SPORTSCASTING, PROGRESS IN SATELLITE TELECOMMUNICATION, ASSISTANCE TO BROADCASTING ORGANIZATIONS IN DEVELOPING COUNTRIES, THE PROPOSED LEGAL SYMPOSIUM OF EXPERTS FROM THE ABU AND THE EBU, STANDARD CONTRACTS FOR COMMISSIONING AUTHORS, RELATIONS WITH CISAC, AND THE ROLE OF THE LEGAL COMMITTEE IN REVISING EBU STATUTES. REGARDING SATELLITE TELECOMMUNICATIONS, THE LEGAL COMMITTEE EXPRESSED ITS VIEWS ON THE PROVISIONAL RULES OF THE CEPT AND WAS GIVEN INFORMATION ON THE FUTURE ACTIVITIES OF COMSAT AND INTELSAT, AND THE USA AND USSR DOMESTIC SATELLITE PLANS. THE COMMITTEE PROPOSED THAT A WORKING PARTY BE ESTABLISHED TO FOLLOW DEVELOPMENTS IN SATELLITE TELECOMMUNICATIONS. KS

8420C

8420C

TWENTY-FIRST ORDINARY SESSION OF THE LEGAL COMMITTEE

EBU REVIEW 958, P65-7, JAN 1966

// EBU HS303

THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION AT THE OCT. 14-17, 1965 MEETING OF THE EBU LEGAL COMMITTEE. MEMBERS DISCUSSED EUROVISION'S COPYRIGHT PROBLEMS, WIRE DISTRIBUTION OF TELEVISION BROADCASTS, RELATIONS BETWEEN BROADCASTING ORGANIZATIONS AND THE PHONOGRAPHIC INDUSTRY, PROBLEMS OF EXTENSIVE EXCHANGES OF NEWS FILM ON THE EUROVISION NETWORK, PROBLEMS IN SPORTSCASTING, AND THE USE OF SATELLITE HS 303 FOR TELEVISION. ALSO DISCUSSED WERE REVISION OF THE BERNE CONVENTION TO BENEFIT DEVELOPING COUNTRIES, DRAFTING OF A STANDARD CONTRACT TO FACILITATE RELATIONS BETWEEN BROADCASTING ORGANIZATIONS WHEN MAKING MUTUAL LOANS OF MUSIC MATERIALS, AND FINALLY, THE FINANCIAL QUESTIONS ARISING WHEN VARIOUS STAGES OF A REHEARSAL OF A WORK ARE BROADCAST ON TELEVISION. KS

8421C

8421C

U.S. PRESIDENT, 1969- (NIXON)

TELECOMMUNICATIONS REORGANIZATION

WASHINGTON, OFFICE OF THE WHITE HOUSE PRESS SECRETARY, FEB 9, 1970

// OTP FCC

THE CONGRESSIONAL REORGANIZATION PLAN NO. 1 OF 1970 IS PRESENTED. THE PLAN ESTABLISHES THE OTP AND ABOLISHES THE ODTM. IT IS HOPED THAT THE NEW OFFICE WILL BETTER EQUIP THE GOVERNMENT TO DEAL WITH THE ISSUES WHICH ARISE FROM TELECOMMUNICATIONS GROWTH. THE NEW OFFICE IS EXPECTED TO PLAY THREE ESSENTIAL ROLES. IT WILL 1) SERVE AS THE PRESIDENT'S PRINCIPAL ADVISOR ON TELECOMMUNICATIONS POLICY 2) HELP FORMULATE POLICIES AND COORDINATE OPERATIONS WITHIN THE GOVERNMENT'S COMMUNICATIONS SYSTEM AND 3) . . . ENABLE THE EXECUTIVE BRANCH TO SPEAK WITH A CLEARER VOICE AND TO ACT AS A MORE EFFECTIVE PARTNER IN DISCUSSIONS OF COMMUNICATIONS POLICY WITH BOTH CONGRESS AND THE FEDERAL COMMUNICATIONS COMMISSION. SPECIFIC DUTIES ASSIGNED IN THE REORGANIZATION PLAN ARE PRESENTED ALONG WITH REFERENCE TO AN UPCOMING EXECUTIVE ORDER (SEE 8422) WHICH WILL FURTHER EXPAND THE DUTIES OF THE OTP. LC

RECID INDEX

8422C U.S. PRESIDENT, 1969- (NIXON) 8422C
 EXECUTIVE-ORDER-11556, ASSIGNING TELECOMMUNICATIONS FUNCTIONS
 SAN CLEMENTE, CALIF., OFFICE OF THE WHITE HOUSE PRESS SECRETARY, SEPT 4, 1970
 // FCC OTP
 THIS EXECUTIVE ORDER ASSIGNING TELECOMMUNICATIONS FUNCTIONS STATES THE GENERAL DUTIES OF THE DIRECTOR OF THE OTP AND OF THE SECRETARY OF COMMERCE IN THE FIELD OF TELECOMMUNICATIONS AS A RESULT OF CONGRESSIONAL REORGANIZATION PLAN NO. 1 OF 1970 (SEE 8421C). IT PROVIDES FOR 1) TRANSFERRING TO THE OTP THE FUNCTION OF AMENDING, MODIFYING, AND REVOKING FREQUENCY ASSIGNMENTS BELONGING TO AND OPERATED BY THE UNITED STATES 2) GIVING THE OTP MORE RESPONSIBILITY IN THE AREA OF EMERGENCY MOBILIZATION OF THE NATION'S TELECOMMUNICATIONS RESOURCES AND 3) EXPANDING THE GENERAL SCOPE AND FUNCTION OF THE OTP IN VARIOUS OTHER AREAS. THE NEW ASSIGNMENTS ARE MEANT TO INCREASE THE EFFICIENCY OF GOVERNMENT OPERATIONS IN THE FIELD OF COMMUNICATIONS TO THE FULLEST EXTENT PRACTICABLE. LC

8423C U.S. PRESIDENT, 1963-1969 (L.B. JOHNSON) 8423C
 EXECUTIVE-ORDER-11191, PROVIDING FOR THE CARRYING OUT OF CERTAIN PROVISIONS OF THE COMMUNICATIONS-SATELLITE-ACT OF 1962
 FEDERAL REGISTER DOCUMENT 65-157. FILED JAN 4, 1965. REPRINTED FROM THE FEDERAL REGISTER, JAN 5, 1965 (30 FR 29)
 // ODTM COMSAT
 THIS ORDER FIRST DEFINES TERMS USED IN THE ORDER, THEN OUTLINES THE DUTIES OF THE DIRECTOR OF TELECOMMUNICATIONS MANAGEMENT. THE DIRECTOR SHALL 1) AID IN THE DEVELOPMENT OF A NATIONAL COMMUNICATIONS SATELLITE SYSTEM 2) REVIEW THE OPERATIONS OF COMSAT 3) COORDINATE THE ACTIVITIES OF GOVERNMENT AGENCIES INVOLVED IN TELECOMMUNICATIONS 4) RECOMMEND TO THE PRESIDENT HOW COMMUNICATIONS SATELLITES CAN BE USED MOST EFFECTIVELY BY THE GOVERNMENT 5) HELP COORDINATE EFFICIENT USE OF THE SPECTRUM 6) KEEP THE PRESIDENT INFORMED WITH RESPECT TO THE CARRYING OUT OF THE COMMUNICATIONS SATELLITE ACT OF 1962 AND 7) SERVE AS THE POINT OF LIAISON BETWEEN COMSAT AND THE PRESIDENT. THE ORDER ALSO OUTLINES THE DUTIES OF THE SECRETARY OF STATE IN RELATION TO THE COMMUNICATIONS SATELLITE ACT OF 1962, AND CALLS FOR THE SUBMISSION OF ANNUAL REPORTS BY THE ODTM TO THE PRESIDENT. LC

8424C U.S. EXECUTIVE OFFICE OF THE PRESIDENT. OFFICE OF TELECOMMUNICATIONS POLICY 8424C
 STATEMENT OF GOVERNMENT POLICY ON SATELLITE TELECOMMUNICATIONS FOR INTERNATIONAL CIVIL AVIATION OPERATIONS
 WASHINGTON, OTP, JAN 7, 1971
 // NAVIGATION
 THIS STATEMENT OUTLINES THE OBJECTIVES OF THE GOVERNMENT'S POLICY REGARDING THE ROLE OF SATELLITE COMMUNICATIONS IN THE FIELD OF AIR TRAFFIC CONTROL. 'THE FEDERAL AVIATION ADMINISTRATION (FAA) HAS DEFINED AND STATED THE GENERAL QUANTITY AND QUALITY OF THE TELECOMMUNICATION SERVICES THAT WILL BE NEEDED TO SUPPORT EXPECTED FUTURE AIR TRAFFIC CONTROL OPERATIONS.' 'THERE IS A BROAD CONSENSUS IN BOTH GOVERNMENT AND THE PRIVATE SECTOR THAT SATELLITES OFFER TECHNICALLY AND ECONOMICALLY THE MOST PRACTICABLE METHOD TO MEET THE REQUIREMENTS IN A RELIABLE WAY.' THE OBJECTIVES STRESS THE COORDINATION OF A DOMESTIC PLAN WITH AN INTERNATIONAL PLAN TO ASSURE INTER-OPERABILITY AND TO PROVIDE IMPROVED VOICE COMMUNICATIONS, DATA COMMUNICATIONS, AND AUTOMATIC REPORTING OF AIRCRAFT POSITION INFORMATION OVER BOTH THE ATLANTIC AND PACIFIC OCEANS. (SEE 8425). LC

8425C U.S. EXECUTIVE OFFICE OF THE PRESIDENT. OFFICE OF TELECOMMUNICATIONS POLICY 8425C
 NIXON ADMINISTRATION ANNOUNCES POLICY ON AERONAUTICAL SATELLITE COMMUNICATIONS
 WASHINGTON, OTP, JAN 7, 1971. PRESS RELEASE
 // FCC OTP NAVIGATION
 THIS PRESS RELEASE OUTLINES THE ADMINISTRATION'S ANNOUNCED POLICY ON IMPROVED COMMUNICATIONS SERVICES TO ASSURE AIRCRAFT SAFETY AND TO CONTROL AIR TRAFFIC. 'THE HIGHLIGHTS OF THE POLICY STATEMENT ARE 1) DUE TO THE LIMITATIONS OF EXISTING COMMUNICATIONS AND THE PROJECTED INCREASE IN AIR TRAFFIC IN THE OCEANIC AREAS, THE UNITED STATES PROMOTES PRE-OPERATIONAL DEPLOYMENT OF SATELLITE COMMUNICATIONS IN THE PACIFIC IN 1973 AND ATLANTIC IN 1975. 2) THE DEPARTMENT OF TRANSPORTATION/FEDERAL AVIATION ADMINISTRATION, WHICH HAS THE STATUTORY RESPONSIBILITY FOR AIR TRAFFIC CONTROL, ASSUMES PROGRAM MANAGEMENT RESPONSIBILITY WITHIN THE GOVERNMENT FOR PRE-OPERATIONAL AND OPERATIONAL SYSTEMS AND SERVICES. 3) THE DEPARTMENT OF STATE, IN CONJUNCTION WITH THE DEPARTMENT OF TRANSPORTATION, WILL SEEK INTERNATIONAL UTILIZATION OF THE PRE-OPERATIONAL SYSTEM AND INITIATE COOPERATIVE EFFORTS WITH OTHER NATIONS TO ESTABLISH AN OPERATIONAL SYSTEM BY 1980. 4) THE GOVERNMENT WILL UTILIZE COMMERCIAL COMMUNICATIONS FACILITIES AND SERVICES TO THE MAXIMUM EXTENT FEASIBLE. 5) THE GOVERNMENT WILL UTILIZE THE UHF FREQUENCY BAND NEAR 1600 MHZ IN BOTH PRE-OPERATIONAL AND OPERATIONAL SATELLITE AIR TRAFFIC CONTROL COMMUNICATIONS. 6) EXPERIMENTAL EVALUATION OF INDEPENDENT SURVEILLANCE BY SATELLITE SHOULD BEGIN WITH INITIAL SYSTEM DEPLOYMENT IN THE PACIFIC AND SHOULD BE FOLLOWED BY PRE-OPERATIONAL EVALUATION IN AN AIR TRAFFIC CONTROL ENVIRONMENT SOMETIME AFTER 1975. 7) A UNIFIED PROGRAM TO SATISFY BOTH GOVERNMENT AND AIRLINE REQUIREMENTS IN THE PACIFIC AND ATLANTIC OCEAN AREAS SHOULD BE ADOPTED TO PROVIDE THE ECONOMIC BENEFITS OF A SINGLE PROGRAM.' (SEE 8424) LC

8426C

SCHWARTZ, MURRAY L.

8426C

FOREIGN PARTICIPATION IN COMMUNICATION SATELLITE SYSTEMS, THE IMPLICATIONS OF THE FEDERAL COMMUNICATIONS ACT

SANTA MONICA, CALIF., RAND CORPORATION, 1961. RAND MEMORANDUM RM-2971-NASA

// FCC ACT-1934 OWNERSHIP

THIS RAND CORPORATION MEMORANDUM INVESTIGATES THE LEGAL QUESTIONS INVOLVED IN U.S. PARTICIPATION IN A GLOBAL SATELLITE SYSTEM. IN PARTICULAR, THE MEMORANDUM DISCUSSES FCC JURISDICTION IN SUCH MATTERS AND SECTIONS OF THE FEDERAL COMMUNICATIONS ACT WHICH ARE PERTINENT TO SATELLITE COMMUNICATIONS. SECTION 308(C) IS CONSIDERED AT LENGTH. IT DEALS WITH THE TERMS AND CONDITIONS OF AGREEMENTS WITH FOREIGN COMMUNICATORS AND GRANTS THE FCC EXTENSIVE JURISDICTION. SECTIONS 310(A), 310(A)(4), AND 310(A)(5) DEALING WITH ALIEN OWNERSHIP, ALIEN CONTROL AND INDIRECT ALIEN CONTROL, RESPECTIVELY, ARE ALSO DISCUSSED. THE AUTHOR TAKES THE POSITION THAT THESE SECTIONS WERE WRITTEN WITH THE INTENT TO PROTECT AMERICAN BUSINESS. HOWEVER, NEW LEGISLATION IS REQUIRED TO ALLOW AMERICAN PARTICIPATION IN A GLOBAL SATELLITE SYSTEM. THERE WILL OBVIOUSLY BE A NEED FOR INTERNATIONAL ARRANGEMENTS FOR THE OPERATION OF A SATELLITE SYSTEM. FOREIGN AGENCIES WILL BE INTERESTED IN DETERMINING THE ESSENTIAL TERMS AND CONDITIONS OF PARTICIPATION IN AND OPERATION OF THE SYSTEM. SECTION 310(A) MIGHT SUBSTANTIALLY LIMIT THE FLEXIBILITY WITH WHICH U.S. INTERESTS COULD NEGOTIATE WITH FOREIGN INTERESTS FOR THE OPERATION OF THE SYSTEM... CM

8427C

CHAYES, ABRAM

8427C

INTERNATIONAL SATELLITE COMMUNICATIONS, QUESTIONS FOR 1969

NEW YORK LAW JOURNAL, NOV 21, 1967

// OWNERSHIP TREATY-1967 INTELSAT COMSAT

THE AUTHOR BRIEFLY LOOKS AT SOME OF THE PROBLEMS INVOLVED IN THE DEVELOPMENT OF INTERNATIONAL LAWS AND NATIONAL POLICIES REGARDING SATELLITE COMMUNICATIONS AND OUTER SPACE. 'I AM NOT COMPLAINING ABOUT THE LOW PRODUCTIVITY OF SPACE LAWYERS IN PROLIFERATING CODES AND PRINCIPLES. ANYONE BROUGHT UP IN THE INDISCIPLINE OF THE COMMON LAW WILL HAVE A PENCHANT FOR MAKING HASTE SLOWLY IN THESE MATTERS. THE FORMULATION OF LAW CANNOT GET TOO FAR AHEAD OF THE ACCUMULATION OF EXPERIENCE IF THE LAW IS TO BE RELEVANT TO REAL PROBLEMS AND FACILITATIVE OF TRULY COMMON OBJECTIVES.' A BRIEF EXAMINATION IS THEN MADE OF THE U.N. TREATY ON OUTER SPACE, THE ROLE OF COMSAT, THE STRUCTURE OF INTELSAT, AND THE UNITED STATES POSITION ON SATELLITE SYSTEM ORGANIZATION. (SEE 8428) LC

8428C

CHAYES, ABRAM

8428C

INTERNATIONAL SATELLITE COMMUNICATIONS, QUESTIONS FOR 1969. PART II

NEW YORK LAW JOURNAL, NOV 22, 1967

// INTELSAT COMSAT OWNERSHIP

THE AUTHOR FEELS THAT THE PRESENT INTELSAT ARRANGEMENTS COULD POSSIBLY JEOPARDIZE THE U.S. OBJECTIVES IN THE FIELD OF SATELLITE COMMUNICATIONS. AFTER EXAMINING THE CONSORTIUM'S VOTING STRUCTURE AND THE CAPITAL INVESTMENT QUOTAS, HE CONCLUDES THAT THE GROWING POLITICAL ELEMENT IN THE FIELD OF COMMUNICATIONS NEEDS TO FIND SOME REFLECTION IN THE VOTING STRUCTURE OF INTELSAT AND THAT QUOTAS SHOULD BE ALLOWED TO FLUCTUATE WITH USE, SO THAT REQUESTS FOR NEEDED NEW INVESTMENT AND COST-SHARING WILL BE PROPORTIONATE TO ACTUAL USE. THE ROLE AND FUNCTION OF COMSAT IS THEN EXAMINED AND CONCLUSIONS ARE DRAWN TO THE EFFECT THAT COMSAT'S ROLE AND IMPORTANCE IN INTERNATIONAL SATELLITE COMMUNICATIONS MAY BE HEADED FOR A SHARP DECLINE. THE AUTHCR'S BASIC CONCERN IS THAT U.S. INTERESTS IN SATELLITE COMMUNICATIONS DO NOT REQUIRE U.S. DOMINATION AND CONTROL OF THE OPERATION AND MANAGEMENT OF INTELSAT. IF THE INTERNATIONAL GOALS OF A GLOBAL SATELLITE SYSTEM ARE TO BE REACHED, THE INSTITUTIONAL AND LEGAL FRAMEWORK OF INTELSAT MUST BE CHANGED. (SEE 8427) LC

8430C

STANTON, FRANK

8430C

REMARKS

REMARKS AT THE EUROPEAN BROADCASTING UNION LUNCHEON, NEW YORK, OCTOBER 25, 1962. 12P. COPY FROM CBS.

// EUROVISION

SPEAKING BEFORE THE EBU, STANTON STRESSES THE IMPORTANCE OF WHAT THE USE AND DEVELOPMENT OF TELSTAR CAN MEAN TO GLOBAL COMMUNICATIONS - BRINGING THE CULTURE OF EUROPE THROUGH EUROVISION AND TELSTAR TO AMERICA. HE ALSO SHOWS THE PROGRESS AND COMPARATIVE TIMELINESS OF THE ORIGINATION OF THE COMMON MARKET, THE EUROPEAN FREE TRADE ASSOCIATION, AND THE LAUNCHING OF TELSTAR. OTHER FACTORS MENTIONED ARE THE ADVANTAGE OF COMPETITION IN THE BROADCAST SYSTEMS OF THE WORLD IN IMPROVING PROGRAM QUALITY AND THE GREAT POWER POTENTIAL OF INTERNATIONAL TELEVISION. TWO PRIMARY PURPOSES OF THE COMMUNICATION SATELLITE SHOULD BE REPORTING AND DISCUSSING, FOR EXAMPLE, REPORTING OF HISTORICAL EVENTS SUCH AS THE ECUMENICAL COUNCIL, AND THE DISCUSSION OF WORLD ISSUES THROUGH SUCH MEANS AS A TOWN MEETING OF THE WORLD. HE SUGGESTS THAT THE U.S. AND CANADIAN ASSOCIATES OF EBU CONSTITUTE THEMSELVES AS A STUDY GROUP TO EXPEDITE THE EXCHANGE OF TV PROGRAMMING, TO ESTABLISH RULES FOR COVERAGE OF GREAT EVENTS AND TO REDUCE LEGAL, TECHNICAL AND OTHER BARRIERS TO FREE FLOW OF PROGRAMMING. JK

8431C

STRASCHNOV, GEORGES C.

8431C

LEGAL PROTECTION OF TELEVISION BROADCASTS TRANSMITTED VIA SATELLITE - AGAINST THEIR USE WITHOUT THE PERMISSION OF THE ORIGINATING ORGANIZATION

BULLETIN OF THE COPYRIGHT SOCIETY OF THE U.S.A. 17,1, P27-39, OCT 1969

// COPYRIGHT ITC PIRACY ROME-CONVENTION EUROPEAN-AGREEMENT

THE AUTHOR OFFERS A STUDY OF '...THE CONTROL BY THE ORIGINATING ORGANIZATION OF THE USES OF ITS TELEVISION SIGNAL TRANSMITTED VIA SATELLITE, TOGETHER WITH THE DE FACTO SITUATION AS IT IS NOW AND AS IT WILL BE WHEN REGIONAL SATELLITES ARE IN SERVICE, AND INTERNATIONAL CONVENTIONS AND ARRANGEMENTS AT PRESENT IN FORCE ARE ANALYZED.' THE TRANSMISSION OF COPYRIGHTED PROGRAMS AND THE GEOGRAPHICAL AREAS FOR WHICH THEY ARE INTENDED ARE DETERMINED BY CONTRACT. EACH COPYRIGHTED WORK WHICH IS USED AND TRANSMITTED REQUIRES THE PAYMENT OF ROYALTIES TO THE AUTHCR/ARTIST, AND IS COLLECTED BY THE AUTHOR DEPENDING UPON THE NUMBER OF COUNTRIES IN WHICH HIS WORK IS SEEN. IF A TRANSMISSION IS USED WITHOUT PERMISSION, THE ORIGINATING STATION MUST STILL PAY ROYALTIES, BUT DOES NOT RECEIVE COMPENSATION FOR THESE UNAUTHORIZED BROADCASTS. THE ORIGINATING ORGANIZATION IS FACED WITH ADDED COSTS, LESSENEED INCOME, AND GENERALLY, AN UNPROFITABLE SITUATION. PRIOR TO INTELSAT III, THIS WAS NOT A PROBLEM BECAUSE SATELLITES WERE ONLY CAPABLE OF LINKING TWO SPECIFIC EARTH STATIONS. INTELSAT III, HOWEVER, CAN CONTACT ALL RECEIVING STATIONS WITHIN THE AREA COVERED BY THE SATELLITE SIMULTANEOUSLY. THE ARTICLE DISCUSSES AT LENGTH THE POSSIBILITY OF ADOPTING ONE OF THE EXISTING INTERNATIONAL CONVENTIONS TO TAKE CONTROL OF THIS PROBLEM. IT TAKES INTO ACCOUNT THE PROVISIONS OF THE INTERNATIONAL TELECOMMUNICATIONS CONFERENCE, THE EUROPEAN AGREEMENT, AND THE ROME CONVENTION, BUT FINDS THEM WANTING IN THEIR NARROW SCOPE AND LACK OF PENALTIES. THE SUGGESTION IS FOR A NEW INTERNATIONAL CONFERENCE TO COVER THIS PROBLEM. HB

8436C

U.N. WORKING GROUP ON DIRECT BROADCAST SATELLITES. CANADA AND SWEDEN

8436C

SECOND CANADIAN/ SWEDISH WORKING PAPER TO THE UN WORKING GROUP ON DIRECT-BROADCAST SATELLITES

MIMED DRAFT. 18P

// FREQUENCY SOVEREIGNTY GLOBAL-SYSTEMS ITU BROADCASTING PROGRAMMING

INTERNATIONAL ARRANGEMENTS FOR SPACE BROADCASTING MUST TAKE INTO ACCOUNT SPACE LAW, THE PRESENT BROADCASTING SITUATION AND INTERNATIONAL TELECOMMUNICATION LAW. DRAFT COPY OMTS SECTION ON SPACE LAW. IN DISCUSSING TELECOMMUNICATION LAW, THE DRAFT HIGHLIGHTS THE RELATIONSHIP OF SATELLITE COMMUNICATIONS TO SPACE LAW, THE IMPORTANCE IN TELECOMMUNICATION ACTIVITIES OF NATIONAL SOVEREIGNTY AND INTERNATIONAL COOPERATION, SOURCES OF TELECOMMUNICATION LAW, REGULATORY FUNCTIONS OF THE ITU AND THE SIGNIFICANCE OF NATIONAL REGULATION. BROADCASTING'S SPECIAL STATUS IS BASED ON THE FACT THAT ITS MESSAGES ARE INTENDED FOR THE GENERAL PUBLIC. THE DRAFT DISCUSSES THE ROLE OF BROADCASTING IN SOCIETY, THE ROLE OF GOVERNMENT IN REGULATION, AND THE EFFECT OF PREVIOUS TELECOMMUNICATION ORGANIZATION ON THAT OF BROADCASTING. IT OFFERS A SCHEME FOR DEFINING AND CLASSIFYING BROADCAST SYSTEMS WITH SPECIFIC EXAMPLES SHOWING DIFFERENCES IN ORGANIZATION, STATUS (RELATIONS BETWEEN BROADCASTERS AND THE STATE), RELATIONS BETWEEN BROADCASTERS AND TELECOMMUNICATION AGENCIES, MODES OF FINANCING, AND OBJECTIVES AND PROGRAMMING POLICIES. LC

8437C

UNESCO. EXPERT MISSION TO BRAZIL

8437C

PREPARATORY STUDY FOR THE USE OF SATELLITE COMMUNICATION FOR EDUCATION AND NATIONAL DEVELOPMENT IN BRAZIL

REPORT BY A UNESCO EXPERT MISSION MAY 25-JUNE 9, 1968. COM/WS/86, NOV 1968. 33P

// LOW-COST ETV EMBRATEL CONTEL SACI DOMESTIC-BRAZIL

THIS PREPARATORY STUDY OF THE NEED FOR A BRAZILIAN SATELLITE SYSTEM STRESSES THAT COUNTRY'S RECENT DEVELOPMENTS IN THE FIELD OF ETV. SINCE ETV IS IN THE DEVELOPMENTAL STAGE IN BRAZIL, THERE IS A GREAT OPPORTUNITY FOR PLANNING ITS EXPANSION IN TERMS OF SATELLITE COMMUNICATION. THROUGH THE USE OF A COMBINATION DIRECT BROADCAST AND TERRESTRIAL SYSTEM, ETV STATIONS COULD BE TIED TOGETHER AND PROGRAM MATERIAL MADE AVAILABLE TO THE ENTIRE NATION. ANY OTHER SYSTEM WOULD BE TOO COSTLY AND WOULD TAKE TOO LONG TO IMPLEMENT. BRAZILIAN AUTHORITIES HAVE REALIZED THE IMPORTANCE OF TELECOMMUNICATIONS AND THE ECONOMIC EFFECTIVENESS OF SUCH SOCIAL SERVICES AS EDUCATION. THIS IS REFLECTED IN BOTH THEIR DEVELOPMENT PLANS AND ADMINISTRATIVE REFORMS DESIGNED TO ENABLE THE MINISTRY OF EDUCATION AND CULTURE TO PLAN A MORE EFFECTIVE ROLE. BESIDES STIMULATING THE GROWTH OF ETV, THE SATELLITE SYSTEM WOULD HELP BRAZIL WITH THE PROBLEMS OF DEMOGRAPHIC AND POPULATION DISTRIBUTION IMBALANCE, HEALTH, AGRICULTURE, AND REGIONAL DEVELOPMENT. DEVELOPMENT OF A LOW COST RECEIVER IS OF THE UTMOST IMPORTANCE. THE DEVELOPMENT OF A SATELLITE SYSTEM WOULD CALL FOR '...FINANCIAL AND OTHER CONTRIBUTIONS FROM WITHIN THE COUNTRY, FROM BILATERAL SOURCES AND INTERNATIONAL ORGANIZATIONS. . .' THE MISSION SUGGESTS THE MEKONG RIVER PROJECT AND THE ITU CONGO AID UNDERTAKING BE CONSIDERED USEFUL PRECEDENTS FOR ORGANIZING SUCH AID. REFERENCES ARE MADE TO SIMILAR STUDIES BEING DONE IN CANADA AND INDIA. LC

8438C

UNESCO. EXPERT MISSION TO INDIA

8438C

PREPARATORY STUDY OF A PILOT PROJECT IN THE USE OF SATELLITE COMMUNICATION FOR NATIONAL DEVELOPMENT PURPOSES IN INDIA

REPORT BY A UNESCO EXPERT MISSION NOV 18-DEC 7, 1967. COM/WS/51, FEB 5, 1968. 36P

// COST EDUCATION

THIS WELL-DOCUMENTED REPORT OUTLINES A PILOT PROJECT TO BE THE FIRST STAGE OF A LONG-RANGE PLAN PROVIDING THE EMBRYO OF A NATIONAL TELEVISION SYSTEM PRIMARILY FOR EDUCATIONAL AND NATIONAL DEVELOPMENT PURPOSES. THE PROJECT IS DESIGNED TO MEET INDIA'S NEEDS IN THE AREAS OF AGRICULTURE, RURAL AND URBAN COMMUNITY DEVELOPMENT, HEALTH, FAMILY PLANNING AND WELFARE, SCHOOL AND OUT-OF-SCHOOL EDUCATION, VOCATIONAL TRAINING, ILLITERACY ERADICATION, AND METEOROLOGY. MONEY IS TO COME FROM INDIA ITSELF, OTHER COUNTRIES ACCORDING TO BI-LATERAL AGREEMENTS, AND INTERNATIONAL ORGANIZATIONS. AFTER STATING THE NEED FOR A COMMUNICATION SYSTEM, ALTERNATIVE SYSTEMS FOR EXTENDING TELEVISION COVERAGE NATIONALLY ARE PRESENTED. A COMBINATION OF A DIRECT BROADCASTING AND A TERRESTRIAL HOOP-UP SYSTEM WOULD BE MOST FEASIBLE. THE URGENCY OF THE NEED AND THE COST FACTORS GENERALLY DETERMINED THE FEASIBILITY. INCLUDES ALSO DETAILS OF THE MISSION, LIST OF EXPERTS, TECHNICAL CONFIGURATIONS, COST ESTIMATES, IMPLEMENTATION PLANS AND MISSION RECOMMENDATIONS. LC

RECID INDEX

8439C U.S. DELEGATION TO THE PLENIPOTENTIARY CONFERENCE ON DEFINITIVE ARRANGEMENTS FOR INTELSAT 8439C
 REPORT OF THE UNITED-STATES DELEGATION TO THE PLENIPOTENTIARY CONFERENCE ON DEFINITIVE ARRANGEMENTS
 FOR THE INTERNATIONAL-TELECOMMUNICATIONS-SATELLITE-CONSORTIUM
 REPORT OF THE FIRST SESSION, WASHINGTON,D.C., FEBRUARY 24-MARCH 21, 1969. 21P PLUS 7 ANNEXES
 // INTELSAT-1969 ICSC
 THIS REPORT COVERS THE PROCEEDINGS OF THE PLENIPOTENTIARY CONFERENCE ON DEFINITIVE ARRANGEMENTS FOR
 INTELSAT CALLED ON FEB. 24, 1969, TO CONSIDER RECOMMENDATIONS BY THE ICSC. THE CONFERENCE
 CONSIDERED INTELSAT'S PROBLEMS IN THE AREAS OF NATION REPRESENTATION, COMPOSITION OF A
 GOVERNING BODY, DECISION-MAKING POWERS, OPERATIONAL MANAGEMENT, RELATIONS WITH THE ITU,
 INTELSAT'S LEGAL STATUS, AND THE DETERMINATION OF INVESTMENT SHARES. ALTHOUGH MUCH WAS
 DISCUSSED, THE SUBSTANTIVE BUSINESS OF CONSIDERING THE ICSC RECOMMENDATIONS WAS NOT COMPLETED
 AND DEFINITIVE ARRANGEMENTS WERE NOT SIGNED. THE REPORT STATES THE PLAN FOR RECONVENING THE
 CONFERENCE NOV. 18, 1969, TO DRAFT THE DEFINITIVE AGREEMENT. ANNEXES INCLUDE LIST OF
 PARTICIPANTS, CONFERENCE OFFICERS, COMMITTEE'S I-IV WORK PROGRAMS AND A REPORT ON THE
 ESTABLISHMENT OF A PREPARATORY COMMITTEE. LC

8440C AFRICA JOINS THE SATELLITE SET 8440C
 THE NATIONALIST, NO. 1992, P3, SEPT 18, 1970
 // EXTELCOMS
 DESCRIBES AN EARTH STATION SOON TO OPEN ON MOUNT MARGARET, NEAR NAIROBI, KENYA. THE BRITISH
 MARCCNI COMPANY IS SUPPLYING THE STATION AND TRAINING THE NECESSARY TECHNICIANS AND ENGINEERS.
 THE EAST AFRICAN EXTERNAL TELECOMMUNICATIONS COMPANY (EXTELCOMS) WILL OPERATE THE STATION,
 USING THE INTELSAT III GLOBAL SERIES OF SATELLITES. IT IS HOPED THAT THE STATION WILL BRING
 MILLIONS OF PEOPLE IN AFRICA INTO THE MAIN-STREAM OF INTERNATIONAL CULTURE AND TECHNICAL
 DEVELOPMENT. LC

8441C STRASCHNOV, GEORGES C. 8441C
 PROTECTION OF TELEVISION BROADCASTS TRANSMITTED VIA SATELLITE
 DRAFT OF STUDY SUBMITTED TO THE MEETING OF GOVERNMENTAL EXPERTS ON INTERNATIONAL ARRANGEMENTS IN
 SPACE COMMUNICATION FIELD, PARIS, DEC 2-9, 1969. UNESCO DOCUMENT COM/SPACE/4
 // ITC RADIO-REGULATIONS PIRACY CCITT COPYRIGHT MULTIPLE-ACCESS EUROPEAN-AGREEMENT
 ROME-CONVENTION
 SINCE THE DEVELOPMENT OF INTELSAT III, MULTIPLE-ACCESS HAS BECOME A GROWING CONCERN. 'NEITHER THE
 INTERNATIONAL TELECOMMUNICATIONS CONVENTION, THE RADIO REGULATIONS, NOR THE CCITT
 RECOMMENDATIONS ARE CAPABLE OF EFFECTIVELY PREVENTING AN EARTH STATION FROM TAKING A PROGRAM
 FOR WHICH IT IS NOT THE INTENDED RECIPIENT.' THE AUTHOR EXPRESSES THE NECESSITY OF DRAWING UP
 A SPECIAL INTERNATIONAL CONVENTION TO DEAL WITH THIS PROBLEM. HE EXAMINES THE PROBLEM IN LIGHT
 OF COPYRIGHT LAWS, OWNER'S RIGHTS, AND PERFORMER'S AUTHORIZATION OF BROADCASTS TO CERTAIN
 AREAS. THE ARTICLE DEALS WITH THE EUROPEAN AGREEMENT AND THE ROME CONVENTION TO POINT OUT THE
 NEED FOR A NEW TREATY. PROTECTION OF SATELLITE TELEVISION TRANSMISSION WILL FOSTER THE
 EXPANSION OF SUCH TRANSMISSIONS, ESPECIALLY IN THE AREA OF PROGRAMMING FOR DEVELOPING
 COUNTRIES. LC

8442C U.N. COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE. WORKING GROUP ON DIRECT BROADCAST 8442C
 SATELLITES
 REPORT OF THE WORKING GROUP ON DIRECT-BROADCAST SATELLITES
 U.N. COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE. WORKING GROUP ON DIRECT BROADCAST SATELLITES.
 U.N. DOCUMENT A/AC.105/51. FEB 26, 1969
 // COST FREQUENCY TECHNICAL-ASPECTS
 REPORT ON '...THE TECHNICAL FEASIBILITY OF COMMUNICATIONS BY DIRECT BROADCAST FROM SATELLITES AND
 THE FORESEEABLE DEVELOPMENTS IN THIS FIELD, INCLUDING COMPARATIVE USER COSTS AND OTHER ECONOMIC
 CONSIDERATIONS.' THE ARTICLE REVIEWS FIVE DIRECT BROADCASTING SATELLITE SYSTEMS EXAMINING
 CHOICE OF ORBIT, FREQUENCY SELECTION, COVERAGE ZONES, RECEPTION QUALITY, RECEIVING EQUIPMENT
 ADAPTATIONS, SATELLITE WEIGHT, USEFUL LIFE, AND COST FACTORS. TABLES ARE USED TO PRESENT SOME
 DATA. INCLUDES A LIST OF WORKING GROUP PARTICIPANTS. LC

8444C SHUTE, JOHN V. 8444C
 A DOMESTIC SATELLITE COMMUNICATIONS SYSTEM FOR THE UNITED-STATES
 EBU REVIEW 1188, P67-71, NOV 1969
 // COMSAT FORD-FOUNDATION AT-T ABC CBS NBC
 ACCORDING TO THIS ARTICLE, ESTABLISHMENT OF A DOMESTIC SATELLITE SYSTEM FOR THE U.S. IS IMMINENT.
 FORMER PRESIDENT JOHNSON'S TASK FORCE ON OVERALL COMMUNICATIONS POLICY MADE A NUMBER OF
 RECOMMENDATIONS WHICH WERE RELEASED DURING THE NIXON ADMINISTRATION. (SEE 0713) THEIR REPORT
 FAVORED THE INSTIGATION OF A PILOT SATELLITE SYSTEM TO SERVE OUTLYING AREAS AND PROVIDE FREE
 SERVICES TO NONCOMMERCIAL AND EDUCATIONAL BROADCASTERS. BROAD PARTICIPATION BY ENTITIES IN
 THE PUBLIC AND PRIVATE SECTORS IS ALSO INCLUDED. FURTHERMORE, THE TASK FORCE RECOMMENDED A
 SINGLE MULTI-PURPOSE, MULTI-BEAM CAPACITY SATELLITE, CAPABLE OF HANDLING 24 COLOR TV CHANNELS
 OR 43,200 VOICE CHANNELS. THEY ALSO SUGGEST THAT COMSAT MANAGE THE SYSTEM WITH THE COOPERATION
 OF INTELSAT. IN RESPONSE TO THE TASK FORCE RECOMMENDATIONS, COMSAT RECOMMENDED A PILOT
 DEMONSTRATION PROGRAM BASED ON THE EQUIPMENT AND GROUND STATION CAPABILITIES OF THE INTELSAT
 III AND IV SERIES. THE SERIES WOULD COVER THE U.S. AND THE FRINGES OF CANADA AND MEXICO. THE
 PROPOSAL, HOWEVER, IS VAGUE REGARDING RATES AND WOULD GIVE COMSAT CONTROL AND/OR OWNERSHIP OF
 ALL SEGMENTS OF THE OPERATION. THE FORD FOUNDATION RECOMMENDATIONS ARE ORIENTED TOWARD
 EDUCATIONAL AND CULTURAL USES OF COMMUNICATIONS SATELLITES. THE FORD PLAN CALLS FOR
 COOPERATION BETWEEN ALL COMMUNICATIONS ENTITIES AND SUGGESTS THAT NASA MANAGE THE SYSTEM.
 SUBSEQUENTLY AT-T HAS FAVORED THE COMSAT PLAN PUTTING AN EMPHASIS ON INTEGRATING THE SPACE
 SEGMENT WITH AT-T'S EXISTING GROUND NETWORKS, WHILE NBC AND CBS HAVE CONDITIONALLY ENDORSED THE
 COMSAT PLAN, AND ABC FAVORS THE FORD PLAN. CM

RECID INDEX

- 8445C UNESCO. MEETING OF EXPERTS ON INTERNATIONAL ARRANGEMENTS IN SPACE COMMUNICATION, PARIS, DEC 2-9, 1969 8445C
- BROADCASTING FROM SPACE
- PARIS, UNESCO, 1971. 65P
- // EDUCATION PIRACY IFRB DEVELOPING-COUNTRIES FREQUENCY FREE-FLOW-OF-INFORMATION
- UNESCO'S GOALS OF INCREASING EDUCATION, EXPANDING CULTURAL AND SCIENTIFIC EXCHANGES, AND PROMOTING THE FREE FLOW OF INFORMATION MAY BE AIDED GREATLY BY SATELLITE COMMUNICATION, WHICH CAN COVER VAST RECEPTION AREAS INEXPENSIVELY. THIS CHARACTERISTIC COULD AID PARTICULARLY THE ECONOMIC AND SOCIAL PROGRESS OF DEVELOPING COUNTRIES, WHOSE POTENTIAL FOR MASS EDUCATION IS HINDERED BY THE LACK OF TERRESTRIAL COMMUNICATION SYSTEMS. NONETHELESS, MANY PROBLEMS EXIST REGARDING SATELLITE COMMUNICATION, AND ALL OF THESE EMPHASIZE THE URGENT NEED FOR INTERNATIONAL COOPERATION. FIRST, SUFFICIENT PLANNING IS ESSENTIAL IF SATELLITE COMMUNICATION IS TO BENEFIT MANKIND. SECOND, LEGAL PROTECTION IS ESSENTIAL, ESPECIALLY REGARDING THE UNAUTHORIZED USE OF SIGNALS, AN AREA WHICH IS NOT SUFFICIENTLY COVERED BY CURRENT INTERNATIONAL AGREEMENTS. THIRD, INTERFERENCE NECESSITATES INTERNATIONAL SPECTRUM ALLOCATION TO BE HANDLED THROUGH THE IFRB. IN THIS REGARD, MEMBERS HAVE BEEN REQUESTED TO ASSESS THEIR EDUCATIONAL FREQUENCY REQUIREMENTS. IN GENERAL, MF PROPAGATION AND LF PROPAGATION SEEM BEST FOR DEVELOPED COUNTRIES AND HF FOR DEVELOPING COUNTRIES. FOURTH, PROGRAM CONTENT, WHICH HAS A VAST INFLUENCE OVER THE MINDS OF MEN, IS ALL-IMPORTANT. HOWEVER, VARYING NORMS IN PROGRAM ACCEPTABILITY MAKE AN INTERNATIONAL CODE INAPPROPRIATE. IN STRIVING FOR SOLUTIONS TO THE ABOVE PROBLEMS, UNESCO SHOULD CONSULT SISTER U.N. AGENCIES, BROADCASTERS, AND OTHERS CONCERNED WITH SATELLITE COMMUNICATIONS. FK
- 8446C UNESCO. MEETING OF EXPERTS ON INTERNATIONAL ARRANGEMENTS IN SPACE COMMUNICATION, PARIS, DEC 2-9, 1969 8446C
- FREE-FLOW-OF-INFORMATION
- PAGES 15-20 IN ITS. BROADCASTING FROM SPACE. PARIS, UNESCO, 1971. OR UNESCO. SECRETARIATE. INTERNATIONAL ARRANGEMENTS TO PROMOTE THE USE OF SPACE COMMUNICATION FOR THE FREE FLOW OF INFORMATION. UNESCO DOCUMENT COM/SPACE/3. PARIS, AUGUST 25, 1969. TEXT VARIES SIGNIFICANTLY FROM PUBLISHED VERSION
- // UNESCO EDUCATION DEVELOPING-COUNTRIES
- THROUGHOUT THE 1960'S, UNESCO HAS BECOME INCREASINGLY CONCERNED WITH THE POTENTIAL OF SPACE COMMUNICATIONS FOR EXTENDING EDUCATION, EXPANDING CULTURE, AND INCREASING THE FREE FLOW OF INFORMATION THROUGHOUT THE WORLD. SEVERAL THEMES HAVE OFTEN RECURRED IN UNESCO'S SESSIONS. FIRST, THERE HAS BEEN AGREEMENT THAT PLANNING AND INTERNATIONAL COOPERATION, WITH UNESCO PLAYING A PROMINENT ROLE, ARE ESSENTIAL. SECOND, THERE HAS BEEN AGREEMENT THAT THE CONTENT OF BROADCASTS IS IMPORTANT BECAUSE OF THE POTENTIAL OF SATELLITE COMMUNICATION TO INFLUENCE THE MINDS OF MEN. THIRD, SOME DELEGATES HAVE PROPOSED THAT UNESCO CONSULT BROADCASTERS ABOUT VARIOUS PROBLEMS, WHILE OTHERS DESIRE THE ESTABLISHMENT OF A NEW U.N. AGENCY TO DEAL WITH SPACE PROBLEMS. REGARDING NEWS COVERAGE, THE EXPERTS HAVE ADVOCATED A GREATER BALANCE IN INTERNATIONAL NEWS BY ENHANCING NEWS DISSEMINATION TO, FROM, AND BETWEEN DEVELOPING COUNTRIES. TO AID THIS GOAL, DEVELOPING COUNTRIES SHOULD BE ENSURED ACCESS TO AVAILABLE TECHNOLOGY AND SATELLITE FACILITIES AND SHOULD BE AIDED IN OVERCOMING THE ECONOMIC AND TARIFF FACTORS WHICH HINDER THEIR USE OF SATELLITES AT PRESENT. THE EXPERTS HAVE AGREED THAT EXPERIENCE HAS SHOWN THAT SATELLITES CAN AID IN OVERCOMING THE DEARTH OF HIGHLY-TRAINED TEACHERS AND AUDIO-VISUAL AIDS IN DEVELOPING COUNTRIES. ALONG WITH EDUCATIONAL PROGRAMS, CULTURAL PROGRAMS AND SCIENTIFIC INFORMATION CAN ALSO BE TRANSMITTED VIA SATELLITE. FK
- 8447C UNESCO. MEETING OF EXPERTS ON INTERNATIONAL ARRANGEMENTS IN SPACE COMMUNICATION, PARIS, DEC 2-9, 1969 8447C
- ACTION TOWARDS SATELLITE TELEVISION TRANSMISSIONS, LEGAL PROTECTION AGAINST USES NOT AUTHORIZED BY THE ORIGINATING BODY
- PAGES 21-4 IN ITS. BROADCASTING FROM SPACE. PARIS, UNESCO, 1971. THE EXPERTS USED AS THEIR WORKING PAPER, STRASCHROV, GEORGES. LEGAL PROTECTION OF TELEVISION BROADCASTS TRANSMITTED VIA SATELLITE AGAINST THEIR USE WITHOUT THE PERMISSION OF THE ORIGINATING ORGANIZATION. UNESCO DOCUMENT COM/SPACE/4. PARIS, AUGUST 22, 1969
- // PIRACY UNESCO BIRPI ITC ROME-CONVENTION
- SATELLITE COMMUNICATION, MORE THAN TERRESTRIAL COMMUNICATION, IS FACED WITH THE PROBLEM OF UNAUTHORIZED USE OF TRANSMISSIONS. ONCE A SIGNAL REACHES A SATELLITE, IT CAN BE RECEIVED BY ANY EARTH STATION WITHOUT THE PERMISSION OF THE SIGNAL'S ORIGINATOR (I.E., PRODUCER). CURRENT INTERNATIONAL AGREEMENTS, INCLUDING THE ITU CONVENTION, DO NOT ADEQUATELY PROTECT SIGNALS FROM UNAUTHORIZED USERS, AND THUS, THERE EXISTS AN URGENT NEED TO CREATE A UNIVERSAL, INTERNATIONAL DOCUMENT TO PREVENT SUCH PIRACY. THREE MAJOR SOLUTIONS TO THE PIRACY PROBLEM HAVE BEEN PROPOSED 1) THE UNIVERSAL APPLICATION OF THE ROME CONVENTION, WHICH CURRENTLY OFFERS REGIONAL PIRACY PROTECTION 2) THE INTRODUCTION OF NEW PROVISIONS INTO THE ITU CONVENTION AND 3) THE ESTABLISHMENT OF AN ENTIRELY NEW INTERNATIONAL DOCUMENT. THE WRITING OF A NEW INTERNATIONAL DOCUMENT APPEARS MOST APPROPRIATE, SINCE IT COULD PROTECT THE RIGHTS OF RECEIVERS AS WELL AS PRODUCERS. HOWEVER, EVEN THOUGH PROCEDURAL PROBLEMS EXIST, A POSSIBLE CHANGE IN THE ITU CONVENTION SHOULD BE STUDIED, ALONG WITH THE POSSIBILITY OF A NEW DOCUMENT, WHEN UNESCO AND BIRPI CONSULT THE ITU AND CONVENE THE COMMITTEE OF EXPERTS IN EARLY 1970. FK
- 8448C UNESCO. MEETING OF EXPERTS ON INTERNATIONAL ARRANGEMENTS IN SPACE COMMUNICATION, PARIS, DEC 2-9, 1969 8448C
- ASSESSMENT OF THE REQUIREMENTS OF EDUCATION, SPACE AND CULTURE IN THE FUTURE ALLOCATION OF FREQUENCIES FOR SPACE COMMUNICATION
- PAGE 25 IN ITS. BROADCASTING FROM SPACE. PARIS, UNESCO, 1971
- // UNESCO FREQUENCY DEVELOPING-COUNTRIES WARC
- TAKING INTO ACCOUNT THE URGENT NEED TO USE SPACE COMMUNICATIONS FOR EDUCATIONAL PURPOSES, UNESCO HAS REQUESTED ITS MEMBER NATIONS TO ASSESS THEIR INDIVIDUAL NEEDS FOR FREQUENCIES TO BE USED FOR EDUCATIONAL, SCIENTIFIC, AND CULTURAL PURPOSES. THESE ASSESSMENTS, WHICH ARE TO BE PRESENTED TO THE ITU 1971 SPACE CONFERENCE (WARC), SHOULD CONSIDER, FIRST, THE GENERAL REQUIREMENTS OF A COUNTRY AND, SECOND, THE VARIOUS TECHNICAL ALTERNATIVES FOR MEETING THESE REQUIREMENTS. ADDITIONALLY, MEMBERS SHOULD CONSULT ALL SPECTRUM USERS AND SHOULD TAKE INTO CONSIDERATION TERRESTRIAL NEEDS AND THE FUTURE IMPLICATIONS OF THEIR ASSESSMENTS. IN DEVELOPING COUNTRIES WITH A LACK OF TRAINED MANPOWER, UNESCO HAS OFFERED TO AID IN THE MAKING OF ASSESSMENTS. FK

8449C

U.N. SECRETARY-GENERAL

8449C

THE UNITED-NATIONS AND SPACE COMMUNICATIONS

PAGES 31-7 IN UNESCO. MEETING OF GOVERNMENTAL EXPERTS ON INTERNATIONAL ARRANGEMENTS IN SPACE COMMUNICATIONS BROADCASTING FROM SPACE. PARIS, UNESCO, 1971. OR UNESCO DOCUMENT COM/SPACE/6. PARIS, NOV 18, 1969

// PROGRAMMING COPYRIGHT PIRACY DEVELOPING-COUNTRIES DIRECT-BROADCASTING

THE MAIN RESPONSIBILITY FOR CREATING THE LEGAL AND ORGANIZATIONAL FRAMEWORKS NEEDED TO UTILIZE SATELLITE COMMUNICATION FOR THE BENEFIT OF MANKIND RESTS WITH THE U.N. GENERAL ASSEMBLY AND ITS COMMITTEE ON THE PEACEFUL USES OF OUTER SPACE. THROUGH ITS RESOLUTIONS, THE GENERAL ASSEMBLY HAS 1) ACKNOWLEDGED THE DELIMITATION OF COMPETENCE BY REQUESTING SPECIALIZED AGENCIES SUCH AS UNESCO TO EXAMINE PROBLEMS WITHIN THEIR AREAS OF COMPETENCE 2) STRESSED THAT SPACE COMMUNICATIONS MUST BE MADE AVAILABLE TO ALL NATIONS, ESPECIALLY DEVELOPING COUNTRIES, IN ORDER TO PROMOTE ECONOMIC AND SOCIAL PROGRESS 3) NOTED THAT SOME INTERNATIONAL LEGAL DOCUMENTS EXIST, BUT OTHERS REGARDING COPYRIGHT AND THE UNAUTHORIZED USE OF SIGNALS ARE NEEDED 4) NOTED THAT VARYING CULTURAL AND SOCIAL STANDARDS MAKE AN INTERNATIONAL CONTENT CODE INAPPROPRIATE AND 5) ENCOURAGED STUDIES OF COOPERATION PATTERNS WITHIN BROADCASTING ORGANIZATIONS AND NATIONAL AND REGIONAL COMMUNICATION STRUCTURES. IN 1968, A U.N. CONFERENCE ON THE EXPLORATION AND PEACEFUL USES OF OUTER SPACE EXAMINED THE PRACTICAL BENEFITS OF SPACE COMMUNICATION AND THE OPPORTUNITIES FOR NON-SPACE POWERS TO COOPERATE IN SPACE ACTIVITIES. IN 1969, THE WORKING GROUP ON DIRECT BROADCAST SATELLITES HELD TWO SESSIONS, ONE WHICH STUDIED THE FEASIBILITY AND DEVELOPMENT OF DIRECT BROADCASTS, AND ONE WHICH STUDIED THE SOCIAL, CULTURAL, AND LEGAL IMPLICATIONS OF DIRECT BROADCASTS. AFTER DESCRIBING THE ACTIVITIES OF THE U.N. IN THE FIELD OF SATELLITE COMMUNICATIONS, THE SECRETARY-GENERAL LISTS AND BRIEFLY EXPLAINS CURRENT ISSUES REGARDING THE INTERNATIONAL LEGAL QUESTION, PROGRAM CONTENT AND INTERNATIONAL COOPERATION, AND MAKES SUGGESTIONS FOR FURTHER STUDY. FK

8450C

INTERNATIONAL TELECOMMUNICATION UNION

8450C

THE INTERNATIONAL-TELECOMMUNICATION-UNION AND SPACE

PAGES 38-47 IN UNESCO. MEETING OF GOVERNMENTAL EXPERTS ON INTERNATIONAL ARRANGEMENTS IN SPACE COMMUNICATION. BROADCASTING FROM SPACE. PARIS, UNESCO, 1971. OR UNESCO DOCUMENT COM/SPACE/5. PARIS, OCT 30, 1969

// FREQUENCY IFRB ITU DEVELOPING-COUNTRIES

A BROADCASTING SYSTEM CONSISTS OF A TRANSMITTER WITH AN ANTENNA TO DIRECT AND STRENGTHEN ITS SIGNAL, A PROPAGATION MEDIUM TO CARRY A TELECOMMUNICATION (I.E., INFORMATION) FROM PLACE TO PLACE, AND A RECEIVER. LF PROPAGATION AND MF PROPAGATION ARE USED EXTENSIVELY FOR BROADCASTING IN DEVELOPED COUNTRIES, OFTEN CAUSING CONGESTION OF THE FREQUENCY BANDS. HOWEVER, ATMOSPHERIC NOISE PRECLUDES THEIR USE IN THE TROPICS AND HERE 'TROPICAL BROADCASTING BANDS' USE HF PROPAGATION TO PRODUCE NEAR VERTICAL SKY WAVES TO COVER THE AREA AROUND A TRANSMITTER. IN GENERAL, HF PROPAGATION APPEARS ECONOMICALLY FEASIBLE IN AFRICA AND LATIN AMERICA, WHICH CONTAIN SPARSELY POPULATED REGIONS. HF PROPAGATION CREATES SKY WAVES WHICH CAN COVER LARGE AREAS, EVEN THOUGH ATMOSPHERIC AND SEASONAL VARIATIONS NECESSITATE FREQUENT CHANGES OF HF FREQUENCY, POWER, ETC. VHF PROPAGATION AND UHF PROPAGATION WHICH ARE COMMON IN DEVELOPED COUNTRIES ARE LIMITED TO THE OPTICAL HORIZON OR SLIGHTLY FARTHER. VHF AND UHF OFTEN USE AMPLITUDE MODULATION (AM) LIKE MF, LF, AND HF, BUT VHF AND UHF CAN ALSO TRANSMIT SOUND VIA FREQUENCY MODULATION (FM). SHF PROPAGATION IS NOT BEING USED CURRENTLY. THE INTERFERENCE AMONG SIGNALS CREATES THE NEED FOR INTERNATIONAL COOPERATION REGARDING SPECTRUM ALLOCATION. THE IFRB PLAYS AN IMPORTANT ROLE IN FOSTERING THIS COOPERATION. FK

8451C

SATELLITE TRANSMISSIONS AND THE BERNE-CONVENTION

8451C

EBU REVIEW 118B, P77-81, NOV 1969

// BIRPI COPYRIGHT IWG ROME-CONVENTION

THE IWG, DURING ITS SECOND WORLD CONGRESS, IN MOSCOW IN JULY 1969, PASSED A RESOLUTION STATING THAT AT A LEGAL LEVEL, TRANSMISSION BEGINS WITH THE FIRST STAGE OF TRANSMITTING SIGNALS. THE AUTHOR FEELS THAT THIS RESOLUTION IS BASED EITHER ON A MISCONCEPTION OF THE TECHNOLOGICAL REALITIES OF SATELLITE TELECOMMUNICATIONS OR A MISCONCEPTION OF THE LEGAL RULES. HE SUBSTANTIATES HIS CRITICISM BY TRACING THE DEVELOPMENT OF THE DEFINITION AND CONCEPT OF 'BROADCASTING' FROM THE 1928 ROME VERSION OF THE BERNE CONVENTION THROUGH THE 1967 STOCKHOLM CONFERENCE. THE CENTRAL CONFLICT WITH THE IWG'S RESOLUTION REVOLVES AROUND STATEMENTS MADE BY THE BIRPI WORKING GROUP WHICH MET IN GENEVA IN OCTOBER 1968. THAT GROUP CONCLUDED THAT COPYRIGHT PROTECTION IS INVOLVED ONLY UPON RECEPTION OF THE SIGNAL, AND CONSEQUENTLY, THE ORIGINAL TRANSMISSIONS MADE BETWEEN EARTH STATIONS AND SATELLITES DO NOT CONSTITUTE BROADCASTING. FURTHER JUSTIFICATION FOR THE AUTHOR'S POSITION IS FOUND IN A DECISION OF THE CANADIAN SUPREME COURT, WHICH RULED ON APRIL 1, 1968, THAT A CABLE TRANSMISSION FROM TORONTO TO WINNEPEG WAS NOT 'BROADCASTING' WITHIN THE MEANING OF THE CANADIAN COPYRIGHT ACT, AND THAT ARTICLE 11BIS OF THE 1928 ROME CONFERENCE OF THE BERNE CONVENTION DID NOT COVER ANY RADIO COMMUNICATION WHICH MIGHT PRECEDE BROADCASTING. MB

8453C

JOHNSON, KATHERINE

8453C

INTELSAT AGREEMENT AWAITS PROCUREMENT POLICY DRAFT

AVIATION WEEK AND SPACE TECHNOLOGY 93.15, P21-2, OCT 12, 1970

// COMSAT COMPETITION INTELSAT-1971

IN DRAFTING A PERMANENT AGREEMENT FOR INTELSAT, TWO OBJECTIVES ARE OF FOREMOST PRIORITY. 1) 'TO AVOID THE PERPETRATION OF A SITUATION OF MONOPOLY TO THE ADVANTAGE OF ONLY ONE COUNTRY AND AT THE EXPENSE OF ALL THE OTHER MEMBER STATES OF INTELSAT BY STIMULATING WORLD-WIDE COMPETITION IN ORDER TO ACHIEVE LOWER PRICES AND BETTER QUALITY IN THE WORK IT CONTRACTS.' 2) TO DRAFT A TENTATIVE AGREEMENT FOR THE PHASE-OUT OF COMSAT AS THE INTELSAT MANAGER. AN INTERSESSION WORKING GROUP HAS COMPLETED MOST OF THE DRAFT OF A PERMANENT INTELSAT AGREEMENT AND IS NOW WORKING ON THE PROCUREMENT POLICY. BOTH ARE TO BE PRESENTED AT THE INTELSAT PLENIPOTENTIARY CONFERENCE FOR ACTION BY THE FULL INTELSAT MEMBERSHIP EARLY IN 1971. LC

RECID INDEX

8454C JOHNSON, NICHOLAS 8454C

THE CAPACITY TO GOVERN, THE ROLE OF THE FCC IN THE DEVELOPMENT OF NATIONAL POLICY FOR COMPUTER COMMUNICATIONS

REMARKS PREPARED FOR THE HOPKINS-BROOKINGS LECTURE SERIES, JOHN HOPKINS SCHOOL OF ADVANCED INTERNATIONAL STUDIES, WASHINGTON, D.C. FCC NEWS 45556, MARCH 12, 1970. 50P

REMARKS BY NICHOLAS JOHNSON ON THE REGULATORY ISSUES RAISED BY THE INTERDEPENDENCE OF COMPUTERS AND COMMUNICATIONS. HE USES COMPUTER COMMUNICATIONS TO POINT OUT THE FCC'S ABILITY TO ANTICIPATE POLICY PROBLEMS THAT ARISE FROM TECHNOLOGICAL DEVELOPMENTS, RATHER THAN ACTING AFTER THE AGENCY IS OVERWHELMED WITH REGULATION PROBLEMS AND FORCED TO REACT TO A CRISIS. HE BELIEVES THAT STRUCTURAL PROBLEMS, UNDER-STAFFING, AND INSTANCES OF BAD JUDGMENT WITHIN THE FCC HAVE CONTRIBUTED TO ITS INABILITY IN PAST SITUATIONS TO DEAL EFFECTIVELY WITH DEVELOPMENTS IN THEIR EARLY STAGES. HERE HE REFERS TO THE MISTAKES AND DELAYS INVOLVED WHEN THE FCC WAS DEALING WITH CATV, COLOR TV, AND DOMESTIC SATELLITE SYSTEMS, PLUS THE PROBLEM OF FREQUENCY ALLOCATION. THE FCC'S HANDLING OF THE COMPUTER COMMUNICATIONS ISSUE IS A MICROCOSM OF REGULATORY DECISION-MAKING. LC

8456C KLAVER, FRANCE 8456C

CURRENT DEVELOPMENTS IN WIRE TELEVISION, COPYRIGHT AND NEIGHBORING RIGHTS PROBLEMS

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// CATV-EUROPE EBU

THIS ARTICLE DEFINES 'WIRE TELEVISION' AS A '...SYSTEM BY WHICH SIGNALS (SOUNDS AND IMAGES) CAN BE PICKED UP BY A CENTRAL ANTENNA AND CARRIED BY A COAXIAL CABLE GOING THROUGH AN AMPLIFIER TO THE VARIOUS HOUSES IN THE SAME GROUP THAT ARE HOOKED UP TO THE SYSTEM.' IT DEALS WITH THE INHERENT PROBLEMS AND ADVANTAGES OF WIRE OR CABLE TELEVISION, NOT ONLY IN THE U.S., BUT IN VARIOUS EUROPEAN COUNTRIES AS WELL. IT DISCUSSES THE LEGAL POSITION IN WHICH THE BROADCASTING ORGANIZATIONS FIND THEMSELVES, AND THE COPYRIGHT IMPLICATIONS WHICH ARISE FROM CABLE TRANSMISSION TO VIEWERS NOT INTENDED BY THE ORIGINATOR OF THE SIGNAL. THE AUTHOR CALLS FOR THE ESTABLISHMENT OF NATIONAL AND INTERNATIONAL REGULATIONS OF THE PROBLEMS OF COPYRIGHT AND OTHER ANCILLARY PROBLEMS. HB

8459C INTERNATIONAL TELECOMMUNICATION UNION 8459C

ITU AND SPACE RADIOCOMMUNICATION

GENEVA, ITU, 1968. 40P

// FREQUENCY

DISCUSSES EXISTING AND PROPOSED INTERNATIONAL REGULATIONS, THE PROBLEMS BEING STUDIED, AND THE SOLUTIONS ENVISAGED. GENERAL TOPICS COVERED ARE RADIOCOMMUNICATIONS IN SPACE, RADIOCOMMUNICATIONS IN THE SERVICE OF SATELLITES, SATELLITES IN THE SERVICE OF TELECOMMUNICATIONS, AND THE ITU AND TECHNICAL COOPERATION IN SPACE MATTERS, PLUS A LIST OF TERMS WITH DEFINITIONS. THE PAPER DEALS WITH MOST PROBLEMS AS RELATED TO THE ITU, AND STATES THE PURPOSE, STRUCTURE AND ROLE OF THE ITU IN SPACE TELECOMMUNICATIONS. LC

8460C INTERNATIONAL TELECOMMUNICATION UNION 8460C

RADIO COMMUNICATIONS IN SPACE - GENERAL

PAGES 3-10 IN ITS. ITU AND SPACE RADIOCOMMUNICATIONS. GENEVA, ITU, 1968

// FREQUENCY IFRB ITU

DEALS WITH SELECTING AND REGULATING FREQUENCIES FOR SPACE COMMUNICATIONS. TOPICS COVERED INCLUDE 1) THE RANGE OF FREQUENCIES, 'RADIO WINDOWS' IN WHICH WAVES PENETRATE THE ATMOSPHERE READILY 2) ALTITUDE OF SATELLITES IN RELATION TO AREA COVERED 3) PROBLEMS IN SHARING FREQUENCIES 4) FREQUENCY BAND ALLOCATION AND THE PROBLEM OF OVERLAPPING FREQUENCY ASSIGNMENTS AND 5) PROBLEMS OF ANTENNA SELECTION. THE PAPER DISTINGUISHES BETWEEN RADIO COMMUNICATIONS USED IN SERVICE OF SATELLITES, AND SATELLITES IN SERVICE OF TELECOMMUNICATIONS. IT PRESENTS THE ITU'S PRESENT AND PROPOSED REGULATIONS AND PROCEDURES GOVERNING FREQUENCY USAGE AND REGISTRATION. LC

8461C INTERNATIONAL TELECOMMUNICATION UNION 8461C

SATELLITES IN SERVICE OF TELECOMMUNICATIONS

PAGES 21-31 IN ITS. ITU AND SPACE RADIOCOMMUNICATIONS. GENEVA, ITU, 1968

// INTELSAT MOLNYA

FOCUSING ON COMMUNICATIONS SATELLITES AS LINKS IN A TELECOMMUNICATIONS CHAIN, THIS CHAPTER DESCRIBES VARIOUS TYPES OF ORBITS, SATELLITES, EARTH STATIONS, AND SYSTEMS. THE CHOICE OF ANY SYSTEM WILL DEPEND ON TECHNICAL, OPERATIONAL, ADMINISTRATIVE, AND ECONOMIC FACTORS. THE PAPER EXPLAINS IN TECHNICAL TERMS THE PROBLEMS AND FACTORS INVOLVED IN FREQUENCY SHARING, METHODS OF MODULATION AND ELECTRICAL CHARACTERISTICS OF A SYSTEM, MULTIPLE ACCESS, AND TRANSMISSION, SIGNALLING AND MAINTENANCE IN THE GENERAL NETWORK. PROBLEMS RELATED TO DIRECT BROADCASTING AND PASSIVE REFLECTION OF RADIO AND TELEVISION PROGRAMS ARE BRIEFLY DESCRIBED. CHARTS AND GRAPHS ARE INCLUDED AS BACKGROUND. LC

8462C BOSKEY, BENNETT 8462C

MONOPOLY AND ANTITRUST ASPECTS OF COMMUNICATIONS SATELLITE OPERATIONS

PAGES 80-110 IN CONFERENCE ON THE LAW OF SPACE AND OF SATELLITE COMMUNICATIONS, CHICAGO, MAY 1, 2, 1963. PROCEEDINGS. WASHINGTON, NASA. SCIENTIFIC AND TECHNICAL INFORMATION DIVISION, 1964

// ACT-1962 FCC

THE AUTHOR DISCUSSES THE ISSUES AND COMPLEXITIES RELATING TO THE MONOPOLY AND ANTI-TRUST PROBLEMS WHICH RESULT FROM THE COMMUNICATIONS SATELLITE ACT OF 1962. HE POINTS OUT THE PROVISIONS IN THE ACT FOR A REGULATORY SYSTEM IN WHICH COMPETITIVE PRINCIPLES ARE GIVEN EXPRESS RECOGNITION, PROVISIONS FOR A SYSTEM OF CHECKS AND BALANCES, AND PROVISIONS GRANTING CONGRESS CERTAIN POWER OVER ALL ASPECTS OF THE SYSTEM. HE ALSO DESCRIBES PROCUREMENT OF MATERIALS, FOREIGN NEGOTIATIONS, AND RATES AND SERVICES AS PROVIDED FOR IN THE ACT. DISCUSSION BY OTHER MEMBERS OF THE CONFERENCE RELATES TO THE SHERMAN ACT, THE CLAYTON ACT, THE KEAFAUVER SUBCOMMITTEE, AND THE LONG SUBCOMMITTEE. LC

REC'D INDEX

8463C ROSENBLUM, VICTOR G. 8463C
 REGULATION IN ORBIT, ADMINISTRATIVE ASPECTS OF THE COMMUNICATIONS-SATELLITE-ACT OF 1962
 PAGES 111-53 IN CONFERENCE ON THE LAW OF SPACE AND OF SATELLITE COMMUNICATIONS, CHICAGO, MAY 1,2,
 1963. PROCEEDINGS. WASHINGTON, NASA. SCIENTIFIC AND TECHNICAL INFORMATION DIVISION, 1964.
 THE AUTHOR AND PANEL EXAMINE THREE BROAD PROBLEM AREAS IN THE COMMUNICATIONS SATELLITE ACT OF 1962,
 1) STATUTORY AMBIGUITIES, INTENTIONAL AND OTHERWISE, THAT CLOUD THE ACT 2) THE OVERRIDING ROLE
 OF THE PRESIDENT, WHO IS GIVEN UNPRECEDENTED POWER IN A PEACETIME MEASURE AND 3) THE CONFLICTS
 BETWEEN AGENCIES AND DEPARTMENTS IN ADMINISTRATION OF THE ACT. THE OPINIONS OF OTHER
 CONFERENCE MEMBERS, FOR THE MOST PART, WERE IN DISAGREEMENT WITH THE AUTHOR. LC

8464C ESTEP, SAMUEL D. 8464C
 SOME INTERNATIONAL ASPECTS OF COMMUNICATIONS SATELLITE SYSTEMS
 PAGES 154-96 IN CONFERENCE ON THE LAW OF SPACE AND OF SATELLITE COMMUNICATIONS, CHICAGO, MAY 1,
 2, 1963. PROCEEDINGS. WASHINGTON, NASA. SCIENTIFIC AND TECHNICAL INFORMATIONS DIVISION,
 1964. 205P
 // COMSAT OWNERSHIP
 THE AUTHOR EXAMINES MANY OF THE LEGAL, POLITICAL, AND ECONOMIC PROBLEMS FACING COMSAT. HIS
 DISCUSSION OF COMMUNICATIONS SATELLITES COVERS POLITICAL RAMIFICATIONS, FOREIGN POLICY
 SIGNIFICANCE, SYSTEMS DUPLICATION, GROUND TERMINAL CONSTRUCTION, OWNERSHIP AND DISTRIBUTIONS,
 CHANNEL USAGE AND INTERFERENCE, USE OF GOVERNMENT FACILITIES, RATES, CONFLICTS WITH MILITARY
 SYSTEMS, NATIONAL PRIORITIES, JAMMING, DIRECT BROADCASTING, AND BASIC DEFICIENCIES IN THE
 STRUCTURE AND OPERATION OF THE ITU. THERE IS A NEED FOR COOPERATION BETWEEN THE U.S. GOVERNMENT
 AND PRIVATE INDUSTRY. THE AUTHOR NOTES THE SKEPTICISM, UNIQUE TO THE U.S., WHICH IS EXPRESSED
 OVER THE ATTEMPT OF GOVERNMENT AND PRIVATE INDUSTRY TO WORK TOGETHER CLOSELY. ON THE
 INTERNATIONAL LEVEL, OWNERSHIP, CONTROL, AND NATIONAL PRIORITIES WILL BE THE KEY PROBLEMS
 FACING ANY SYSTEM. A PANEL DISCUSSION FOLLOWS. LC

8465C SHERMAN, CHARLES E. 8465C
 THE STRUCTURE AND FUNCTIONS OF THE EUROPEAN-BROADCASTING-UNION
 PREPARED FOR PRESENTATION AT THE SPEECH ASSOCIATION OF AMERICAN CONVENTION - 1967. 12P
 // REGIONAL-SYSTEMS CONSORTIUM
 THE URGENT NEED FOR AN INTERNATIONAL BROADCASTING ORGANIZATION CAN BEST BE FULFILLED BY A
 CONSORTIUM OF REGIONAL BROADCASTING ORGANIZATIONS. SUCH A CONSORTIUM COULD DEAL MOST
 EFFECTIVELY WITH THE LEGAL, TECHNICAL, CONTENT, AND ADMINISTRATIVE PROBLEMS OF INTERNATIONAL
 BROADCASTING IF IT WERE MODELED AFTER THE EBU, WHICH HAS SUCCESSFULLY DEALT WITH MANY REGIONAL
 BROADCASTING PROBLEMS. FORMED IN 1950, THE EBU IS COMPOSED OF MEMBERS AND NON-VOTING ASSOCIATE
 MEMBERS, BOTH OF WHOSE FEES FUND THE UNION. NUMEROUS INVESTIGATIVE COMMITTEES ATTEMPT TO
 FULFILL THE EBU'S MAIN GOAL OF PROBLEM SOLVING. FOUR OF THESE COMMITTEES ARE PERMANENT 1) THE
 TECHNICAL COMMITTEE 2) THE LEGAL COMMITTEE 3) THE TELEVISION PROGRAMME COMMITTEE, WHICH
 OVERSEES EUROVISION AND 4) THE SOUND BROADCASTING PROGRAMME COMMITTEE, WHICH IS CONCERNED WITH
 RADIO. THREE PERMANENT SERVICES COORDINATE THE COMMITTEES AND PROVIDE CONTINUITY AND
 COMMUNICATION AMONG MEMBERS 1) THE ADMINISTRATIVE OFFICE 2) THE DEPARTMENT OF LEGAL AFFAIRS
 AND 3) THE TECHNICAL CENTRE. GENERALLY, THE EBU QUALIFIES AS AN INTERNATIONAL NON-GOVERNMENTAL
 ORGANIZATION (INGO), SINCE IT FULFILLS THREE OF LYMAN WHITE'S FOUR CRITERIA OF INGO'S. WHILE
 IT DOES NOT UNDERTAKE PUBLIC RELATIONS TO SEEK PUBLIC SUPPORT FOR ITS POLICIES, THE EBU IS AN
 AGENT OF INTERNATIONAL UNDERSTANDING, DOES ACT AS A PRESSURE GROUP ON BOTH INTERNATIONAL AND
 NATIONAL BODIES, AND DOES HAVE RELATIONS WITH OTHER INGO'S. INCLUDES A SELECTED BIBLIOGRAPHY.
 FK

8466C AMERICAN TELEPHONE AND TELEGRAPH COMPANY 8466C
 APPLICATION FOR A DOMESTIC COMMUNICATIONS SATELLITE SYSTEM
 NEW YORK, AT+T, MARCH 3, 1971
 // AT-T 4-6GHZ ALASKA
 AT+T PROPOSES TO CONSTRUCT AND OPERATE FIVE EARTH STATIONS IN CONJUNCTION WITH THREE GEOSTATIONARY
 SATELLITES (TO BE CONTRACTED FROM COMSAT) FOR THE PURPOSE OF ESTABLISHING A COMMUNICATION
 SATELLITE SYSTEM TO SERVE THE CONTINENTAL (48) UNITED STATES. THE SYSTEM FEATURES 1) THE USE
 OF THE 4-6 GHZ FREQUENCY BANDS 2) CROSS-POLARIZED SIGNALS TO DOUBLE THE USABLE SPECTRUM 3) A
 PER SATELLITE CAPACITY OF 10,800 TWO-WAY TELEPHONE CHANNELS, OR 24 ONE-WAY TV CHANNELS, OR 24
 ONE-WAY DIGITAL CHANNELS 4) ORBITAL LOCATIONS OF 84, 104 AND 119 DEGREES WEST LONGITUDE 5)
 THE USE OF THREE 100-FOOT DISH ANTENNAS FOR EACH OF THE THREE EARTH STATIONS SERVING HEAVILY
 POPULATED AREAS AND TWO ANTENNAS FOR EACH OF THE TWO EARTH STATIONS SERVING POPULATED AREAS 6)
 A CAPACITY FOR SHIFTING THE SYSTEM LOAD AS THE DEMAND REQUIRES, AND 7) A SATELLITE CAPABILITY
 TO SERVE ALASKA, SHOULD AN EARTH STATION BE BUILT. PHASE I (TWO SATELLITES) OPERATIONAL DATE
 WOULD BE 30 MONTHS AFTER APPROVAL DATE WITH THE SYSTEM BEING COMPLETE SIX MONTHS THEREAFTER.
 THE TOTAL INSTALLED COST BY 1977 WOULD BE 88.7 MILLION DOLLARS, WITH AN ANNUAL OPERATING COST
 OF 65.3 MILLION DOLLARS. THE SYSTEM PROVIDES FOR CLOSE INTEGRATION WITH AT+T'S EXISTING
 COMMUNICATION NETWORK (TELEPHONE AND PICTUREPHONE) AND IS NOT DEPENDENT ON TELEVISION SERVICE,
 ALTHOUGH THE CAPACITY WOULD BE MADE AVAILABLE. CONCERNING CPB, AT+T IS READY TO IMPLEMENT A
 PERMANENT TERRESTRIAL NETWORK, AT SPECIAL RATES, TO MEET THE NEEDS OF CPB. APPENDICES INCLUDED
 DEALING WITH TECHNICAL DATA, THE COMSAT AGREEMENT AND APPLICATIONS TO THE FCC FOR THE
 CONSTRUCTION OF EARTH STATIONS. LC

8468C 8468C
 COMSAT PROPOSES ADVANCED SATELLITES FOR UNITED-STATES DOMESTIC SERVICES
 TELECOMMUNICATION JOURNAL 38,1, P8-9, JAN 1971
 // AT-T 4-6GHZ
 IN ITS FILING WITH THE FCC, COMSAT HAS PROPOSED TO PROVIDE ADVANCED HIGH CAPACITY SATELLITES FOR
 DOMESTIC USE. AS AN INITIAL RESPONSE TO FCC GUIDELINES FOR SUPPLYING A DOMESTIC SATELLITE
 SYSTEM, COMSAT'S FILING CALLS FOR TWO OPERATIONAL SATELLITES, TWO EARTH STATIONS, AND ONE
 BACK-UP SATELLITE. THE FILING ALSO CONTAINS AN APPLICATION BY AT+T FOR APPROPRIATE EARTH
 STATIONS, SO THAT IT CAN RENT SATELLITE TIME FROM COMSAT. OPERATING IN THE 4 AND 6 GHZ RANGE,
 THE SATELLITE WOULD DOUBLE CURRENT CAPACITY BY USING CROSS POLARIZATION, WHICH IN TURN WOULD
 DOUBLE THE NUMBER OF USABLE POSITIONS FOR SYNCHRONOUS SATELLITES. HAVING CONSULTED WITH
 VARIOUS CONCERNS, COMSAT IS ALSO PLANNING A MULTISERVICE SYSTEM FOR THE FUTURE. FK

RECID INDEX

8469C

TELEPROMPTER CORPORATION

8469C

APPLICATION FOR DOMESTIC COMMUNICATION SATELLITE RECEIVE-ONLY EARTH-STATIONS

NEW YORK, TELEPROMPTER CORPORATION, MARCH 1971

// CATV HUGHES PROGRAMMING

TELEPROMPTER PROPOSES INITIALLY TO CONSTRUCT AND OPERATE FIVE RECEIVE-ONLY EARTH STATIONS TO BE TIED IN WITH TELEPROMPTER'S PRESENT CATV OPERATIONS. 'THIS APPLICATION IS SUBMITTED FOR CONSIDERATION IN CONJUNCTION WITH RECENTLY AND SIMULTANEOUSLY FILED APPLICATIONS FOR DOMESTIC COMMUNICATIONS SATELLITE SYSTEMS, SUCH AS THAT PROPOSED BY HUGHES AIRCRAFT COMPANY. . .' 'COMMUNICATIONS WILL BE TRANSMITTED FROM A SATELLITE APPLICANT'S PROPOSED TRANSMIT TERMINALS (SUCH AS THOSE PROPOSED BY HUGHES AIRCRAFT AT CALIFON, NEW JERSEY AND SAN JUAN, CALIFORNIA) VIA SATELLITE FOR RECEPTION BY TELEPROMPTER EARTH TERMINALS.' PROGRAMMING IS TO BE ORIGINATED BY TELEPROMPTER AND OTHERS. INITIAL STATION SITES ARE TO BE NEW YORK CITY, EUGENE, ORE., ELMIRA, N.Y., LOS ANGELES, CALIF., AND ST. PETERSBURG, FLA. EACH STATION WILL HAVE A 35' DISH ANTENNA CAPABLE OF RECEIVING SIGNALS FROM SATELLITES IN ORBITAL POSITIONS BETWEEN 80 AND 130 DEGREES. 'THE OVERALL UNIT COST IS ESTIMATED TO BE 110,000 DOLLARS WITH AN ANNUAL OPERATING COST OF 5,600 DOLLARS, AND AN ANNUAL DEPRECIATION/AMORTIZATION CHARGE OF 11,000 DOLLARS.' THE APPLICATION STRESSES THE POTENTIAL OF CATV AND PRESENTS TELEPROMPTER'S INTERESTS AND EXPERIENCE IN THE FIELD AS CRITERIA FOR ACCEPTANCE OF THE APPLICATION. TELEPROMPTER FEELS THIS APPLICATION REPRESENTS AN INITIAL STEP WHICH '. . . WILL ENABLE CATV TO ACHIEVE ITS POTENTIAL AS A SOURCE OF IMPROVED AND DIVERSE TELEVISION PROGRAMMING.' LC

8470C

TWENTIETH CENTURY FUND TASK FORCE ON INTERNATIONAL SATELLITE COMMUNICATIONS

8470C

THE FUTURE OF SATELLITE COMMUNICATIONS, RESOURCE MANAGEMENT AND THE NEEDS OF NATIONS

NEW YORK, TWENTIETH CENTURY FUND, 1970. 80P

// WARC ITU FREQUENCY ORBITAL-SLOTS

THE TASK FORCE BELIEVES THAT THERE ARE TWO BASIC RESOURCE SCARCITIES IN THE COMMUNICATIONS SATELLITE FIELD, THE RADIO FREQUENCY SPECTRUM AND THE GEOSTATIONARY ORBITAL ARC. BOTH SHOULD BE DEALT WITH AS INTERNATIONAL RESOURCES AND THEIR USE SHOULD BE SUBJECT TO ADVANCED PLANNING AT THE INTERNATIONAL LEVEL. THE 1971 WARC WILL PROVIDE THE INTERNATIONAL COMMUNITY WITH AN OPPORTUNITY TO COPE WITH PROBLEMS RELATED TO THESE RESOURCES. SOME SIGNIFICANT POSSIBILITIES AVAILABLE IN A SPECTRUM MANAGEMENT PROGRAM ARE PRESENTED, SUCH AS 1) FULL UTILIZATION OF THE FREQUENCY SPECTRUM 2) EARTH STATION ANTENNA DIRECTIVITY 3) SATELLITE ANTENNA DIRECTIVITY (GEOGRAPHIC COVERAGE) 4) ANTENNA POLARIZATION 5) REVERSED USE OF FREQUENCY ASSIGNMENTS AND 6) VARIOUS SYSTEM DESIGNS. THE 1971 WARC SHOULD REVIEW FREQUENCY ALLOCATIONS NOW SHARED BY SATELLITE AND TERRESTRIAL SYSTEMS, ALLOCATE SOME HIGHER FREQUENCIES TO SATELLITE COMMUNICATIONS, REVIEW FREQUENCY SHARING IN ALL SATELLITE BANDS, AND REJECT ALL ASSIGNMENTS OF SPECIFIC ORBITAL SLOTS IN ADVANCE OF NEED. THE INTELSAT GLOBAL NET SHOULD BE MAINTAINED AND COUNTRIES HAVING LAUNCH CAPABILITIES SHOULD MAKE THOSE FACILITIES AVAILABLE TO INTERNATIONALLY APPROVED SYSTEMS. THE TASK FORCE ALSO FEELS THAT THE FEAR OF PROPAGANDA AND OFFENSIVE PROGRAMS HAS BEEN MUCH EXAGGERATED AND THAT THE ITU SHOULD BE REORGANIZED AND STRENGTHENED. INCLUDES TWO APPENDICES, 'ISSUES IN SPECTRUM RESOURCE MANAGEMENT' AND 'A POSSIBLE WORLD COMMUNICATION SATELLITE SYSTEM USING 1970 TECHNOLOGY.' SEE 8471 AND 8472. LC

8471C

HINCHMAN, WALTER R.

8471C

ISSUES IN SPECTRUM RESOURCE MANAGEMENT

PAGES 29-68 IN TWENTIETH CENTURY FUND TASK FORCE ON INTERNATIONAL SATELLITE COMMUNICATIONS. THE FUTURE OF SATELLITE TELECOMMUNICATIONS. NEW YORK, TWENTIETH CENTURY FUND, 1970. SEE 8470

// FREQUENCY WARC

THE AUTHOR FIRST PRESENTS SOME OF THE BASIC CHARACTERISTICS OF ELECTROMAGNETIC RADIATION AND DESCRIBES HOW THEY AFFECT SATELLITE COMMUNICATION. HE THEN PRESENTS THE BACKGROUND, AGENDA, AND MAJOR FOCAL POINTS OF THE 1971 WARC AND SUGGESTS THAT DECISIONS REACHED AT THIS CONFERENCE WILL BE OF MAJOR SIGNIFICANCE FOR THE SUBSEQUENT DEVELOPMENT OF BOTH SATELLITE AND TERRESTRIAL RADIO SERVICES. REGARDING PRELIMINARY WARC VIEWS, FEW DOCUMENTED, CLEAR-CUT POSITION PAPERS ARE AVAILABLE DEALING WITH THESE FOCAL ISSUES. THE AUTHOR PRESENTS AN ANALYSIS OF AVAILABLE PRELIMINARY U.S. VIEWS AND FRAGMENTARY RESPONSES TO THEM. THE TRADITIONAL APPROACH TO FREQUENCY MANAGEMENT HAS PRODUCED CERTAIN DEFICIENCIES WHICH THE AUTHOR REVIEWS AND USES AS A BASIS FOR NEW RECOMMENDATIONS. 1) CLASSIFYING FREQUENCY USES AND ALLOCATING SEGMENTS TO EACH USE HAVE PROVIDED A SENSE OF SECURITY TO SPECIALIZED USER GROUPS. THE AUTHOR SUGGESTS THIS DIVISION IN MOST CASES 'IS TECHNICALLY UNNECESSARY AND ON THE WHOLE IT PRODUCES INEFFICIENCY AND MISMANAGEMENT OF A VALUABLE RESOURCE.' 2) THE FIRST-COME-FIRST-SERVE PRINCIPLE IS INHERENTLY UNFAIR TO FUTURE USERS. THE PRINCIPLE DISADVANTAGE IS THE LACK OF ACCOUNTABILITY FOR THE RESOURCE ONCE IT IS ALLOCATED. A REVIEW OF PREVIOUS ALLOCATIONS IS NECESSARY. 3) THE AUTHOR FEELS THERE IS A GREAT WASTE OF MUCH OF THE SPECTRUM, AND A POSSIBLE SOLUTION WOULD BE THE ADOPTION OF A LICENSE/MARKET MECHANISM WHICH WOULD CHARGE USERS FOR FREQUENCY USAGE, '. . . SINCE USERS WOULD BE RELUCTANT TO PAY FOR MORE OF THE RESOURCE THAN THEY ACTUALLY NEEDED.' LC

8472C

DUNN, D.A.

8472C

A POSSIBLE WORLD COMMUNICATION SATELLITE SYSTEM USING 1970 TECHNOLOGY

PAGES 71-80 IN TWENTIETH CENTURY FUND TASK FORCE ON INTERNATIONAL SATELLITE COMMUNICATIONS. THE FUTURE OF SATELLITE COMMUNICATIONS. NEW YORK, TWENTIETH CENTURY FUND, 1970. SEE 8470

// FREQUENCY COST ORBITAL-SLOTS

THE AUTHOR PRESENTS A DESCRIPTION, NOT A PREDICTION, OF A COMMUNICATION SATELLITE SYSTEM WHICH COULD BE DEVELOPED WITHIN THE NEXT 15 YEARS USING THE TECHNOLOGY AVAILABLE IN 1970. 'THIS DESCRIPTION IS BASED ON 1) THE USE OF SATELLITE AND LAUNCH TECHNOLOGY AND COSTS OF THE INTELSAT IV TYPE OF SATELLITE AND SIMPLE VARIANTS THEREOF 2) THE USE OF THE FREQUENCY RANGES PRESENTLY BEING USED BY INTELSAT SATELLITES (3700-4200 MHZ FOR THE DOWN-LINK AND 5925-6425 MHZ FOR THE UP-LINK) AND 3) 1970 EARTH STATION TECHNOLOGY AND COSTS.' CONCLUDES THAT 'SHORTAGES OF FREQUENCIES OR ORBITAL PARKING SLOTS FOR SATELLITE COMMUNICATIONS SYSTEMS OVER THE NEXT 15 YEARS ARE NOT LIKELY IF CAREFUL MANAGEMENT OF THE FREQUENCY/PARKING SLOT RESOURCE IS PROVIDED.' LC

RECID INDEX

8473C U.S. DEPARTMENT OF COMMERCE. JOINT PUBLICATIONS RESEARCH SERVICE 8473C
 SOVIET VIEWS OF COMMUNICATIONS SATELLITES AND INTERNATIONAL RELATIONS
 WASHINGTON, D.C., JOINT PUBLICATIONS RESEARCH SERVICE, 1968. THIS PUBLICATION CONTAINS
 TRANSLATIONS OF AN EXCERPT AND SELECTED CHAPTERS FROM THE BOOK KOSMOS I PROBLEMA VSEOBSHCHEGO
 MIRA (SPACE AND THE PROBLEM OF UNIVERSAL PEACE). MOSCOW, NAUKA PUBLISHING HOUSE, 1966
 // LEGAL-PERSONALITY DECLARATION-1963 OWNERSHIP INTELSAT COMSAT AT-T
 THE 1963 U.N. DECLARATION OF LEGAL PRINCIPLES REGULATING THE ACTIVITY OF STATES IN SPACE RESEARCH
 AND USE LEGALIZED SPACE ACTIVITIES BY PRIVATE ENTITIES SUCH AS COMSAT. ALTHOUGH THE USSR
 INTRODUCED A RESOLUTION FORBIDDING PRIVATE ENTITIES IN SPACE, THE USSR SUPPORTS THIS ENACTED
 DECLARATION, WHICH ALSO DENOUNCES PROPAGANDA AND OBLIGES STATES TO ACT IN OUTER SPACE IN ACCORD
 WITH INTERNATIONAL LAW. DESPITE THE FACT THAT A STATE MUST BEAR RESPONSIBILITY FOR A NATIVE
 PRIVATE ENTITY, THE USSR IS OPPOSED TO PRIVATE ENTITIES IN SPACE FOR TWO MAIN REASONS. FIRST,
 THEIR PRESENCE CREATES MANY SUBSTANTIAL LEGAL PROBLEMS BECAUSE THEY ARE NOT LEGAL ENTITIES
 EQUAL TO STATES AND THEY CANNOT BEAR THE RESPONSIBILITY WHICH STATES MUST BEAR. THUS, LEGAL
 GUARANTEES ARE NEEDED FOR PRIVATE ENTITIES SUCH AS COMSAT. SECOND, COMSAT DOES NOT ACT IN THE
 INTEREST OF THE WORLD, BUT RATHER IN THE INTERESTS OF U.S. PROPAGANDA, THE U.S. MILITARY, AND
 AT+T. NONETHELESS, THERE HAVE BEEN MANY COLLABORATIONS BETWEEN NATIONS REGARDING
 COMMUNICATIONS SATELLITES, INCLUDING COLLABORATIONS THROUGH THE U.N., BETWEEN THE U.S. AND
 USSR, AND BETWEEN OTHER PAIRS OF NATIONS. THIS THIRD CATEGORY INCLUDES THE COLLABORATIONS
 WHICH CREATED INTELSAT, WHOSE CONTROL BY COMSAT IS JUST ONE EXAMPLE OF THE U.S. DESIRE FOR
 HEGEMONY IN SPACE COMMUNICATIONS. FK

8474C ZHUKOV, G.P. 8474C
 LAW AND ORDER IN SPACE, A VITAL NECESSITY
 PAGES 1-2 IN U.S. DEPARTMENT OF COMMERCE. JPRS. SOVIET VIEWS OF COMMUNICATIONS SATELLITES AND
 INTERNATIONAL RELATIONS. WASHINGTON, JPRS, 1968. SEE 8473
 // PROPAGANDA OWNERSHIP SOVIET-VIEW DECLARATION-1963
 IN THIS BRIEF CHAPTER EXCERPT, THE AUTHOR DISCUSSES THE U.N. DECLARATION ON LEGAL PRINCIPLES
 REGULATING THE ACTIVITY OF STATES IN SPACE RESEARCH AND USE IN RELATION TO USSR PROPOSALS FOR
 THE DECLARATION AND USSR HOPES FOR THE INTERNATIONAL USE OF SPACE. THE DECLARATION OBLIGES
 STATES TO ACT IN OUTER SPACE IN ACCORD WITH INTERNATIONAL LAW. ADDITIONALLY, THE DECLARATION
 REFLECTS A USSR PROPOSAL BY DENOUNCING THE USE OF SPACE FOR PROPAGANDIZING AND ENHANCING
 HOSTILITY, WHILE ADVOCATING THE USE OF SPACE TO INCREASE INTERNATIONAL UNDERSTANDING AND
 FRIENDLY RELATIONSHIPS. CURRENTLY, THE U.S. JUSTIFIES PROPAGANDA BECAUSE IT IS ISSUED
 NONGOVERNMENTALLY BY THE FREE PRESS, RADIO FREE EUROPE AND THE VOICE OF AMERICA. THE AUTHOR
 QUESTIONS THE POSSIBILITY OF PREVENTING '...IRRESPONSIBLE ACTIVITY BY 'PRIVATE' COMPANIES IN
 OUTER SPACE, KEEPING IN MIND THAT IN THE U.S. THE ORGANIZATION OF COMMUNICATIONS VIA SATELLITE
 HAS BEEN PUT IN THE HANDS OF A PRIVATE CORPORATION.' TO ELIMINATE PROPAGANDA IN SPACE, A USSR
 RESOLUTION HAD CALLED FOR PERMITTING ONLY SOVEREIGN STATES, AND NOT PRIVATE ENTITIES, TO ENGAGE
 IN SPACE ACTIVITIES. THE USSR ALSO PROPOSED CONDUCTING POTENTIALLY HARMFUL SPACE EXPERIMENTS
 ONLY WITH PRELIMINARY INTERNATIONAL AGREEMENT. THE DECLARATION ESTABLISHES ONLY THE PRINCIPLE
 OF HOLDING CORRESPONDING INTERNATIONAL CONSULTATIONS TO PREVENT MISUSE OF OUTER SPACE. FK

8475C LUKIN, P.I. 8475C
 USE OF ARTIFICIAL EARTH SATELLITES FOR DEVELOPING WORLD-WIDE COMMUNICATIONS SYSTEM
 PAGES 4-22 IN U.S. DEPT. OF COMMERCE. JPRS. SOVIET VIEWS OF COMMUNICATIONS SATELLITES AND
 INTERNATIONAL RELATIONS. WASHINGTON, JPRS, 1968. SEE 8473
 // COMSAT MILITARY-USE PROPAGANDA OWNERSHIP AT-T SOVIET-VIEW MOLNYA
 THE AUTHOR PRESENTS A GENERAL DISCUSSION OF SATELLITE COMMUNICATIONS, DESCRIBES THE MOLNYA SYSTEM
 AND CRITICIZES U.S. ATTEMPTS TO MONOPOLIZE WORLD SATELLITE COMMUNICATIONS. DESPITE
 HUMANITARIAN RHETORIC ABOUT COMMUNICATION SATELLITES BENEFITTING THE ENTIRE WORLD, THE MAIN
 GOAL OF COMSAT, A CORPORATE ENTITY, IS TO INCREASE THE PROFITS OF AT+T AND TO ENHANCE THE
 INTERESTS OF THE U.S. THESE U.S. INTERESTS INCLUDE MILITARY ADVANTAGE, INTERNATIONAL PRESTIGE,
 A PROPAGANDA ADVANTAGE VIA INTERNATIONAL TELEVISION, AND THE ACQUISITION OF A DISPROPORTIONATE
 NUMBER OF FREQUENCY ASSIGNMENTS FROM THE ITU. ALTHOUGH MANY PRIVATE CORPORATIONS AND LIBERAL
 SENATORS FAVORED GOVERNMENT OWNERSHIP OF A COMMUNICATION SATELLITE SYSTEM, THE COMMUNICATION
 SATELLITE ACT OF 1962, WHICH CALLED FOR PRIVATE OWNERSHIP, PASSED CONGRESS BECAUSE OF AT+T'S
 VAST POLITICAL POWER. THE ACT IS DIVIDED INTO THREE SECTIONS. THE FIRST STATES THE ACT'S
 GOALS AND POLICIES, THE SECOND DEFINES THE POWERS OF PARTICIPATING GOVERNMENTAL BODIES,
 INCLUDING THE PRESIDENT, NASA, AND THE FCC, AND THE THIRD CREATES COMSAT. THE FACT THAT
 COMSAT, WHICH IS A PRIVATE ENTITY, CAN ENGAGE IN INTERNATIONAL NEGOTIATIONS HAS HURT THE URGENT
 NEED FOR INTERNATIONAL COOPERATION AND LAW REGARDING OUTER SPACE. THE AUTHOR ASSERTS THAT AT
 PRESENT THE U.S. IS SEEKING WORLD DOMINATION OF COMMUNICATION SATELLITE SYSTEMS, EVEN THOUGH
 THE SOVIET MOLNYA-I SATELLITES ARE MORE POWERFUL, LESS COSTLY, LONGER LASTING, AND REMAIN IN
 ORBIT LONGER THAN AMERICAN SATELLITES. FK

8476C LUKIN, P.I. 8476C
 COMMUNICATIONS SATELLITES AND INTERNATIONAL RELATIONS
 PAGES 23-41 IN U.S. DEPARTMENT OF COMMERCE. JPRS. SOVIET VIEWS OF COMMUNICATIONS SATELLITES AND
 INTERNATIONAL RELATIONS. WASHINGTON, JPRS, 1968. SEE 8473
 // ITU UN INTELSAT-1964 SOVIET-VIEW MILITARY-USE AT-T
 THROUGHOUT THE YEARS MUCH INTERNATIONAL COLLABORATION REGARDING COMMUNICATIONS SATELLITES HAS BEEN
 CARRIED ON THROUGH THREE DISTINCT LINES. A FIRST LINE IS MULTILATERAL COLLABORATION OCCURRING
 THROUGH THE U.N. AND ITS AFFILIATE ORGANIZATIONS, ESPECIALLY THE ITU. THE AUTHOR CITES NUMEROUS
 U.N. RESOLUTIONS WHICH HAVE BEEN PASSED IN THIS AREA AND DESCRIBES THE 1963 ITU CONFERENCE
 WHICH ASSIGNED RADIO FREQUENCIES FOR SPACE COMMUNICATIONS. A SECOND LINE OF COLLABORATION IS
 BILATERAL BETWEEN THE U.S. AND THE USSR. THIS COOPERATION HAS BEEN FORMULATED IN A SERIES OF
 DOCUMENTS WHICH HAVE TRIED TO SOLVE MANY LEGAL PROBLEMS INHERENT IN THE DISPARITY OF THE TWO
 SYSTEMS. A THIRD LINE CONSISTS OF ALL COLLABORATION NOT COVERED BY THE FIRST TWO, INCLUDING
 OTHER BILATERAL COLLABORATIONS AND THE INTELSAT AGREEMENTS. AT THE INTELSAT WASHINGTON
 CONFERENCE OF 1964, ATTENDED BY THE U.S. AND OTHER WESTERN NATIONS, TWO AGREEMENTS WERE REACHED
 WHICH COVERED ASPECTS OF INTELSAT. THESE INCLUDED VOTING PRIVILEGES, FINANCES, OWNERSHIP
 CRITERIA FOR EARTH STATIONS, ARBITRATION, PROCUREMENT, AND RIGHTS TO DATA, INFORMATION AND
 INVENTIONS. THE AUTHOR FEELS THAT THESE AGREEMENTS EMPHASIZED THE U.S. DESIRE FOR HEGEMONY IN
 SPACE COMMUNICATIONS, AS ILLUSTRATED BY COMSAT'S CONTROL OVER INTELSAT, THE PARAMOUNT CONCERN
 FOR THE INTERESTS OF AT+T, AND THE FACT THAT INTELSAT HAS AND WILL SERVE THE U.S. ARMED FORCES.
 FK

REC'D INDEX

8477C

LUKIN, P.I.

8477C

INTERNATIONAL LEGAL CONDITIONS FOR COMMUNICATIONS SATELLITES

PAGES 42-9 IN U.S. DEPARTMENT OF COMMERCE. JPRS. SOVIET VIEWS OF COMMUNICATIONS SATELLITES AND INTERNATIONAL RELATIONS. WASHINGTON, JPRS, 1968. SEE 8473

// SOVIET-VIEW LEGAL-PERSONALITY OWNERSHIP PROPAGANDA COMSAT DECLARATION-1963

THE AUTHCR FEELS THAT ALLOWING PRIVATE ENTITIES TO UNDERTAKE ACTIVITIES IN OUTER SPACE HAS CREATED MANY IMPORTANT LEGAL PROBLEMS. DESPITE THE INTRODUCTION OF A SOVIET RESOLUTION FORBIDDING PRIVATE ACTIVITY IN SPACE, THE 1963 U.N. DECLARATION OF LEGAL PRINCIPLES REGULATING THE ACTIVITY OF STATES IN SPACE RESEARCH AND USE MAKES PRIVATE ACTIVITY LEGAL AND DECLARES THAT PRIVATE ENTITIES MUST HAVE THE PERMISSION OF AND BE UNDER THE SUPERVISION OF THEIR OWN NATION. HENCE, THE STATE MUST TAKE ULTIMATE RESPONSIBILITY FOR THE ACTIONS OF PRIVATE ENTITIES. THE AUTHCR FEELS NONETHELESS THAT THERE ARE MANY ADVANTAGES TO THE PERFORMANCE OF SPACE ACTIVITY BY STATES RATHER THAN BY PRIVATE ENTITIES. STATES IMPROVE TECHNOLOGY MORE RAPIDLY THAN DO PRIVATE ENTITIES, PRIVATE ENTITIES COMPLICATE THE LEGAL PROBLEMS OF INTERNATIONAL NEGOTIATIONS, ONLY STATES CAN BEAR POLITICAL RESPONSIBILITY FOR OCCURRENCES IN SPACE (AND PRIVATE OPERATIONS IN SPACE COULD INCREASE PROPAGANDA), A STATE IS MORE CAPABLE OF BEARING HUGE FINANCIAL RESPONSIBILITIES, AND PRIVATE ACTIONS REQUIRE CONCERN FOR VARYING NATIONAL LAWS, AS WELL AS INTERNATIONAL LAW. THUS, GUARANTEES ARE NEEDED TO PROTECT AGAINST PRIVATE ENTITIES SUCH AS COMSAT. THE AUTHOR SUGGESTS THAT THESE GUARANTEES SHOULD INCLUDE A TREATY WHEREBY THE U.S. WOULD ASSUME FULL RESPONSIBILITY FOR COMSAT, COMSAT WOULD BE TREATED AS A STATE IN LEGAL DISPUTES, THE U.S. WOULD REGULATE AND CONTROL COMSAT'S ACTIONS, LICENSING PROCEDURES WOULD BE ESTABLISHED TO INSURE COMSAT'S TECHNICAL AND FINANCIAL STABILITY, AND REGULATIONS WOULD PROTECT THE INTERESTS OF NONPARTICIPATING STATES. FK

8480C

GENERAL TELEPHONE AND ELECTRONICS SERVICE CORPORATION

8480C

ESTABLISHMENT OF DOMESTIC COMMUNICATION SATELLITE FACILITIES BY NON-GOVERNMENTAL ENTITIES

DOCKET NUMBER 16495, PRESENTED TO THE FCC, DECEMBER 17, 1970

// COMPETITION AT-T 4-6GHZ

THE FOLLOWING STATEMENTS ARE MADE BY THE AUTHOR IN RESPONSE TO THE FCC'S REQUESTS FOR COMMENTS ON 1) THE POTENTIAL TECHNICAL AND ECONOMIC CONFLICTS BETWEEN TERRESTRIAL NETWORKS AND SATELLITE SYSTEMS 2) THE ROLE OF AT+T 3) AUTHORIZED USER POLICY AND ACCESS TO EARTH STATIONS 4) PROCUREMENT RULES AND 5) THE USE OF HIGHER FREQUENCIES. '1) ONLY IN THE SPACE SEGMENT OF A SYSTEM IS THERE A PRESENT POTENTIAL TECHNICAL NEED TO LIMIT ENTRY. AT PRESENT IT WOULD APPEAR THAT THE LIMITED NUMBER OF ORBITAL SLOTS SUITABLE FOR 4 AND 6 GHZ OPERATION WILL CONTROL SATELLITE DEVELOPMENT UNTIL HARDWARE FOR 12 GHZ OR HIGHER FREQUENCIES BECOMES AVAILABLE. 2) WE BELIEVE THAT THE SAME RULES SHOULD APPLY WITH RESPECT TO SATELLITE FACILITIES AS PREVAIL WITH RESPECT TO TERRESTRIAL FACILITIES. WHERE THERE IS A VALID CLAIM OF ECONOMIC EXCLUSIVITY BETWEEN APPLICANTS, COMPARATIVE HEARINGS SHOULD BE HELD. 3) WE DO NOT BELIEVE IT NECESSARY FOR THE COMMISSION TO ARTIFICIALLY (SIC) HANDICAP THE USE OF SPACE TECHNOLOGY AT THIS TIME BY IN ANY WAY LIMITING THE ROLE OF AT+T OR ANY OTHER AUTHORIZED COMMON CARRIER. 4) WE SUBMIT THAT THE COMMISSION LACKS AUTHORITY TO ADOPT DOMESTIC SATELLITE PROCUREMENT RULES. 5) IF THE INTENT OF DOCKET NO. 16495 IS TO OBTAIN AN OPERATIONAL DOMESTIC SATELLITE SYSTEM, WE SUBMIT THAT THE METHOD TO ACHIEVE THAT END IS TO NOT CHANGE THE METHODS, TECHNIQUES AND KNOWLEDGE THAT HAVE BEEN GAINED IN THE PAST FIVE YEARS OPERATIONAL HISTORY OF THE INTERNATIONAL NETWORK. THE DOMESTIC SYSTEM SHOULD BE AUTHORIZED AND IT SHOULD BE AUTHORIZED BASED ON EXISTING TECHNIQUES. IF THE HIGHER FREQUENCIES DO HAVE PROMISE, THAT PROMISE WILL BE DETERMINED IN THE NORMAL COURSE OF SCIENTIFIC AND ENGINEERING INVESTIGATION.' LC

8481C

GENERAL TELEPHONE AND ELECTRONICS SERVICE CORPORATION

8481C

PROPOSAL FOR A DOMESTIC SATELLITE COMMUNICATIONS SYSTEM

NEW YORK, GT+E, DEC 1970. PART I

// HUGHES 4-6GHZ

THIS SYSTEM '... IS AN INTEGRAL PART OF THE SWITCHED MESSAGE NETWORK DESIGNED TO HANDLE INTERSTATE HIGH USAGE TRUNK CIRCUITS BETWEEN SEVERAL WIDELY SEPARATED GENERAL OPERATING AREAS WITHIN THE CONTIGUOUS 48 STATES. IT CONSISTS OF FOUR EARTH STATIONS, LOCATED IN FLORIDA, CALIFORNIA, INDIANA, AND PENNSYLVANIA, OPERATING THROUGH EIGHT LEASED TRANSPONDERS IN A 12-TRANSPONDER SATELLITE, WITH FULL BACK-UP SATELLITE PROVIDED BY HUGHES AIRCRAFT COMPANY. THESE STATIONS ARE CONNECTED INTO THE EXISTING OR PLANNED MICROWAVE COMMON CARRIER NETWORK BY PROTECTED TERRESTRIAL RADIO LINKS. ...' 'EACH EARTH STATION HAS TWO COMPLETE SETS OF TRANSMISSION EQUIPMENT, EACH CAPABLE OF HANDLING THE FULL GENERAL SYSTEM CAPACITY THROUGH EITHER SATELLITE.' EACH RF CARRIER CAN HANDLE UP TO 1320 VOICE CHANNELS, AND THUS TWO TRANSPONDERS ARE NEEDED FOR 1320 VOICE CHANNELS. THE SYSTEM OPERATES IN THE BANDS 3.7 TO 4.2 GHZ (DOWN-LINK), AND 5.925 TO 6.425 GHZ (UP-LINK). THE EARTH STATIONS, LOCATED IN NATURAL BOWLS OR IN OTHER PLACES AFFORDING TERRAIN SHIELDING, HAVE TWO 30-METER PARABOLIC ANTENNAS, EACH OPERATING IN THE DUAL LINEAR POLARIZED MODE DICTATED BY THE SATELLITE. THE SYSTEM IS TECHNICALLY AND OPERATIONALLY COMPATIBLE WITH BOTH THE HUGHES AND COMSAT PROPOSED SATELLITES. THE TOTAL REVENUE REQUIREMENT IS ESTIMATED TO BE 16.4 MILLION DOLLARS. SERVICES NOT INCLUDED ARE 1) VIDEO TELEPHONE/COMPUTER ACCESS-SWITCHED SERVICE AND 2) TDM TRUNK GROUPS ASSOCIATED WITH SWITCHED DIGITAL NETWORKS. TELEVISION BROADCASTING IS ALSO NOT COUNTED UPON IN THE DEVELOPMENT OF THE ECONOMIC FACTORS FOR THIS SYSTEM. INCLUDED ALSO IS THE HAWAIIAN TELEPHONE COMPANY'S SEPARATE APPLICATION FOR A RECEIVE-ONLY EARTH STATION. SEE ALSO 8482-8486. LC

8482C

GENERAL TELEPHONE COMPANY OF CALIFORNIA

8482C

APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE A DOMESTIC SATELLITE EARTH-STATION. PART II A, CALIFORNIA

TRUNFO PASS, CALIF., GENERAL TELEPHONE COMPANY OF CALIFORNIA, NOV 24, 1970

SEE 8481 AND 8483-6.

8483C

GENERAL TELEPHONE COMPANY OF INDIANA, INC.

8483C

APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE A DOMESTIC SATELLITE EARTH-STATION. PART II B, INDIANA

METAMORE, IND., GENERAL TELEPHONE COMPANY OF INDIANA, INC., NOV 24, 1970

SEE 8481 AND 8482, 8484-6.

RECID INDEX

- 8484C BETHEL AND MT. AETNA TELEPHONE AND TELEGRAPH COMPANY 8484C
 APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE A DOMESTIC SATELLITE EARTH-STATION. PART II C,
 PENNSYLVANIA
 INDIANTOWN GAP, PA., BETHEL AND MT. AETNA TELEPHONE AND TELEGRAPH COMPANY, NOV 24, 1970
 SEE 8481 AND 8482-3, AND 8485-6.
- 8485C GENERAL TELEPHONE COMPANY OF FLORIDA 8485C
 APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE A DOMESTIC SATELLITE EARTH-STATION. PART II D,
 FLORIDA
 HOMOSASSA, FLA., GENERAL TELEPHONE COMPANY OF FLORIDA, NOV 24, 1970
 SEE 8481 AND 8482-4, 8486.
- 8486C HAWAIIAN TELEPHONE COMPANY 8486C
 PROPOSAL AND APPLICATION BY THE HAWAIIAN TELEPHONE COMPANY FOR AUTHORITY TO CONSTRUCT AND OPERATE A
 DOMESTIC SATELLITE EARTH-STATION IN HAWAII
 HONOLULU, HAWAII, HAWAIIAN TELEPHONE COMPANY, NOV 24, 1970
 SEE 8481 AND 8482-5.
- 8496C LEIVE, DAVID M. 8496C
 INTERNATIONAL TELECOMMUNICATIONS AND INTERNATIONAL LAW, THE REGULATION OF THE RADIO SPECTRUM
 LEYDEN, A.W. SIJTHOFF. DOBBS FERRY, N.Y., OCEANA, 1970. 386P
 // ITU FREQUENCY
 THE AUTHOR PRESENTS A DESCRIPTION AND EXAMINATION OF THE PRESENT INTERNATIONAL TELECOMMUNICATIONS
 REGULATORY REGIME, AND TRACES ITS EVOLUTION FROM ITS BEGINNINGS IN THE 19TH CENTURY. HE THEN
 CONCERNS HIMSELF WITH '... DETERMINING THE SPECIFIC PROTECTION AFFORDED TO RECORDED FREQUENCY
 ASSIGNMENTS AND THE PRINCIPLES APPLICABLE TO HARMFUL INTERFERENCE DISPUTES. THIS DETAILED
 ANALYSIS HAS TWO MAIN PURPOSES, FIRST, TO MAP OUT THE STATE OF THE LAW IN A WAY THAT WOULD BE
 OF PRACTICAL VALUE TO THOSE CONCERNED WITH SUCH PROBLEMS, AND SECOND, TO PROVIDE THE BASIS FOR
 THE SPECIFIC RECOMMENDATIONS FOR MODIFICATIONS TO THOSE LEGAL PRINCIPLES SET FORTH IN THE
 CONCLUDING CHAPTER.' THERE IS CONSIDERATION OF '... THE PRINCIPLES AND PROCEDURES ADOPTED AT
 THE 1963 ITU SPACE CONFERENCE RELATING TO SPACE RADIO COMMUNICATIONS. IT IS DESIGNED TO
 ILLUSTRATE HOW THE REGULATORY REGIME... RESPONDS TO THE DEMANDS OF NEW TECHNOLOGIES AND
 WHETHER OLD CONCEPTS CAN BE SUCCESSFULLY APPLIED TO NEW SITUATIONS. THROUGHOUT, ATTENTION IS
 FOCUSED ON THE BOARD'S INTERPRETATION OF THE REGULATIONS CONCERNING BOTH SUBSTANTIVE LAW AND
 ITS OWN POWERS AND PROCEDURES, AND ON THE VARIED WAYS IN WHICH THE SELF-INTEREST OF ITU MEMBERS
 IS UTILIZED TO PROMOTE COMPLIANCE WITH THE CONVENTION AND REGULATIONS.' THE AUTHOR CONCLUDES
 BY OFFERING A '... DETAILED SERIES OF RECOMMENDATIONS DESIGNED TO IMPROVE THE REGULATORY
 REGIME. NO ATTEMPT IS MADE TO PROPOSE AN ENTIRELY NEW REGULATORY REGIME OR A COMPLETELY
 REORGANIZED ITU INSTITUTIONAL STRUCTURE. SUCH PROPOSALS WOULD SERVE NO CONSTRUCTIVE PURPOSE
 BECAUSE THEY ARE NOT PRACTICAL ALTERNATIVES TO THE PRESENT REGULATORY REGIME.' RATHER HE '...
 PRESENTS A SERIES OF INTERRELATED PROPOSALS DESIGNED TO STRENGTHEN THE REGIME.' LC
- 8497C BUSAK, JAN 8497C
 ON THE EVE OF THE WORLD-ADMINISTRATIVE-RADIO-CONFERENCE FOR SPACE TELECOMMUNICATIONS
 TELECOMMUNICATION JOURNAL 38,11, P96-100, NOV 1971
 // ITU WARC FREQUENCY DIRECT-BROADCASTING PIRACY
 THE AUTHOR REVIEWS THE TECHNICAL PROGRESS AND THE DECISIONS MADE BY THE ITU REGARDING SPACE
 COMMUNICATIONS IN THE PAST SEVEN YEARS AND CONCLUDES THAT '... THE TIME HAS NOW COME TO
 ATTEMPT TO REGULATE ALL THE VARIOUS PROBLEMS AFFECTING SPACE RADIOCOMMUNICATIONS IN ORDER TO
 MEET PRESENT REQUIREMENTS AND, IF NECESSARY, TO REVISE THE RADIO REGULATIONS. ...' THIS WILL
 BE THE DUTY OF THE WARC (1971). THE LEGAL PROBLEMS THAT WILL OR MAY BE DEALT WITH AT THIS
 CONFERENCE ARE 1) TERMINOLOGY - ACCOUNT MUST BE TAKEN OF THE TERMS AND DEFINITIONS PROPOSED BY
 THE CCIR AND CCITT 2) UTILIZATION OF FREQUENCIES - ALLOCATION OF FREQUENCY BANDS, THE
 ASSIGNMENT OF FREQUENCIES TO RADIO STATIONS, AND THE NOTIFICATION OF FREQUENCY ASSIGNMENTS AND
 THE REGISTRATION OF THOSE FINALLY ADOPTED 3) INTERFERENCE AND UNNECESSARY TRANSMISSIONS -
 SATELLITES MUST OPERATE IN ACCORDANCE WITH THE LETTER AND SPIRIT OF THE TREATY ON PRINCIPLES
 GOVERNING THE ACTIVITIES OF STATES IN THE EXPLORATION AND USE OF OUTER SPACE 4) DIRECT
 SATELLITE BROADCASTING - THIS MAY GIVE RISE TO SERIOUS LEGAL AND POLITICAL PROBLEMS DUE TO THE
 POSSIBILITY OF PROGRAMS BEING IMPOSED ON THE PUBLIC AGAINST ITS WISHES. THE AUTHOR FEELS THAT
 THE WARC WILL '... ESTABLISH THE CONDITIONS AND CRITERIA REQUIRED FOR THE PROPER ORGANIZATION
 AND EFFICIENT OPERATION OF SPACE RADIOCOMMUNICATIONS.' LC
- 8498C BOELLE, G. * BOURELY, M. 8498C
 L'UTILISATION DE SATELLITES DE DIFFUSION DIRECTE (THE USE OF SATELLITES FOR DIRECT-BROADCASTING)
 PARIS, PRESSES UNIVERSITAIRES DE FRANCE, 1970. 94P
 // ITU
 PUBLISHED UNDER THE SPONSORSHIP OF THE CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS), THIS
 BOOK BY SEVERAL AUTHORS IS A SEQUEL TO THE WORK ON SATELLITE TELECOMMUNICATIONS PUBLISHED BY
 THE CNRS WORKING PARTY ON SPACE LAW UNDER THE TITLE 'LES TELECOMMUNICATIONS PAR SATELLITES -
 ASPECTS JURIDIQUES' (SATELLITE TELECOMMUNICATIONS - LEGAL ASPECTS). THIS BOOK DEALS WITH THE
 PROBLEMS THAT WILL ARISE IN FIVE TO TEN YEARS' TIME WHEN SATELLITE BROADCAST TELEVISION
 PROGRAMMES CAN BE RECEIVED DIRECTLY BY ORDINARY SETS. IT IS DIVIDED INTO TWO PARTS, WITH A
 FOREWORD BY C.A. COLLIARD AND A. CH. KISS. THE FIRST PART DEALS COMPREHENSIVELY WITH THE
 PROBLEM OF THE USE OF DIRECT BROADCASTING SATELLITES. THE SECOND PART (ANNEX) CONTAINS TEXTS
 OR EXTRACTS OF TEXTS ON THE SUBJECT, INCLUDING THE RESOLUTIONS OF THE UNITED NATIONS GENERAL
 ASSEMBLY, AND THE TEXTS ADOPTED BY THE ITU. REVIEWED BY A. EL-ZANATI IN TELECOMMUNICATION
 JOURNAL 38,2, P113, FEB 1971

RECID INDEX

8499A

TELECOMMUNICATION JOURNAL SPECIAL ISSUE ON SPACE RADIOCOMMUNICATIONS
 TELECOMMUNICATION JOURNAL 38,5, FULL ISSUE, MAY 1971. TO BE PUBLISHED

// MOLNYA INTELSAT REGIONAL-SYSTEMS DIRECT-BROADCASTING FREQUENCY INDIA WARC

ACCORDING TO ADVANCE NOTICE IN THE TELECOMMUNICATION JOURNAL, THE MAY ISSUE OF THAT JOURNAL WILL BE DEVOTED TO SPACE RADIOCOMMUNICATION IN ANTICIPATION OF THE WARC TO BE HELD IN GENEVA FROM JUNE 7 TO JULY 16, 1971. THE PROPOSED CONTENTS OF THE ISSUE ARE 1) GENERAL, DEALING PRIMARILY WITH TECHNICAL CONSIDERATIONS 2) SATELLITE COMMUNICATION SYSTEMS, COVERING INTELSAT, MOLNYA, REGIONAL SYSTEMS, ORBITS AND INTEGRATION OF SYSTEMS 3) DIRECT BROADCASTING, INCLUDING GENERAL PROBLEMS, TECHNIQUES, FREQUENCY ALLOCATION AND THE INDIAN PROJECT 4) APPLICATION TO MOBILE SERVICES 5) SPACE RESEARCH AND RADIO ASTRONOMY 6) SATELLITES FOR THE STUDY OF THE EARTH 7) RADIO AMATEURS 8) REGULATION PROBLEMS 9) LEGAL PROBLEMS 10) SPACE POLICY OF THE INTERNATIONAL ORGANIZATIONS AND INTERNATIONAL COOPERATION, AND 11) TECHNICAL COOPERATION. KS

8499A

8500C

CHAYES, ABRAM * CHAZEN, LEONARD
 POLICY PROBLEMS IN DIRECT-BROADCASTING FROM SATELLITES
 STANFORD JOURNAL OF INTERNATIONAL STUDIES 5, P4-20, JUNE 1970

// PROGRAMMING ITU INTELSAT REGIONAL-SYSTEMS FREQUENCY

THE AUTHORS EXAMINE THE PROBABILITY OF DIRECT BROADCASTING VIA SATELLITE AND THE PROBLEMS ASSOCIATED WITH DIRECT BROADCASTING. THE THREE MAIN PROBLEMS ARE SPECTRUM MANAGEMENT, PROGRAM CONTENT CONTROL AND ESTABLISHMENT OF A VIABLE REGULATORY FRAMEWORK. TOWARD THE SOLUTION OF THESE PROBLEMS THE AUTHORS CONCLUDE THAT THE ITU WOULD BE THE ONLY FEASIBLE REGULATORY BODY, BUT IT WOULD NEED TO DEVELOP A MORE ADEQUATE STAFF, MORE AUTHORITY AND MORE EFFICIENT ENFORCEMENT POWERS. INTELSAT WOULD BE UNACCEPTABLE DUE TO THE IMAGE OF U.S. DOMINATION OF THAT ORGANIZATION. THE PROSPECTS ARE GOOD FOR THE EARLY DEVELOPMENT OF EDUCATIONAL, CULTURAL OR INFORMATIONAL SYSTEMS WITHIN A SINGLE COUNTRY OR GROUP OF RELATED COUNTRIES. THE VISION OF A SIMULTANEOUS UNIVERSAL MASS AUDIENCE IS REMOTE WHEN BARRIERS OF LANGUAGE, CULTURAL DIFFERENCES, AND TIME ARE CONSIDERED. THE AUTHORS SEE THE DEVELOPMENT OF REGIONAL SYSTEMS WITH PROVISIONS FOR INTERCONNECTION AT CERTAIN TIMES. LC

8500C

8502C

VALTERS, ERIK N.
 PERSPECTIVES IN THE EMERGING LAW OF SATELLITE COMMUNICATIONS
 STANFORD JOURNAL OF INTERNATIONAL STUDIES 5, P53-83, JUNE 1970

// DIRECT-BROADCASTING UN-RESOLUTIONS WARC TREATY-1967

VALTERS EXAMINES THE EVOLVEMENT TO DATE OF INTERNATIONAL COMMUNICATION LAW BY CITING PASSAGES FROM THE 1967 OUTER SPACE TREATY AND U.N. GENERAL ASSEMBLY RESOLUTIONS. THE AUTHOR SEES PRESENT LAW EVOLVING AS A COMPROMISE OF TRADITIONAL INTERNATIONAL LAW AND THE THEORY OF OUTER SPACE AS AN 'INTERNATIONAL RESOURCE,' WITH THE 'INTERNATIONAL RESOURCE APPROACH' EMERGING AT THE 1971 WORLD ADMINISTRATIVE RADIO CONFERENCE. REGARDING POINT-TO-POINT COMMUNICATIONS SATELLITES, THE COMPROMISE WILL BE WEIGHTED MORE HEAVILY TOWARD CONVENTIONAL INTERNATIONAL TELECOMMUNICATION LAW AND THE NATIONAL FREEDOM OF ACTION APPROACH DUE TO THE INFLUENCE OF CONVENTIONAL LAW ON THE EMERGING LEGAL FRAMEWORK FOR SUCH SATELLITES. DIRECT BROADCASTING IS MORE LIKELY TO BE DOMINATED BY THE 'INTERNATIONAL RESOURCE CONCEPT,' SINCE DISCUSSION OF NEEDED LEGAL PRINCIPLES HAS ANTICIPATED THE CORRESPONDING TECHNOLOGY. LC

8502C

8503C

DALFEN, CHARLES M.
 THE TELESAT CANADA DOMESTIC COMMUNICATIONS SATELLITE SYSTEM
 STANFORD JOURNAL OF INTERNATIONAL STUDIES 5, P84-113, JUNE 1970

// BILL-C-184

THIS ARTICLE COVERS THE BACKGROUND, STRUCTURE, AND SOME OF THE PROBLEMS TO BE ENCOUNTERED BY CANADA'S PROPOSED TELESAT DOMESTIC SATELLITE SYSTEM. THE MINISTRY OF INDUSTRY'S 'WHITE PAPER ON A DOMESTIC SATELLITE COMMUNICATIONS SYSTEM FOR CANADA' (1968) CONCLUDED THAT A DOMESTIC SYSTEM '... IS OF VITAL IMPORTANCE FOR THE GROWTH, PROSPERITY, AND UNITY OF CANADA, AND SHOULD BE ESTABLISHED AS A MATTER OF PRIORITY.' ALONG WITH THIS CONCLUSION IS IMPLIED THE DESIRE TO HAVE THIS SYSTEM BE A COMPLETELY CANADIAN ENTITY, IN CONSTRUCTION, OPERATION AND CONTROL. U.S. OFFERS TO SELL CANADA A SATELLITE HAVE BEEN REJECTED TWICE. BESIDES BEING AN OBJECT OF NATIONAL PRIDE, THE SYSTEM, IT IS HOPED, WILL EXTEND COMMUNICATION ABILITY INTO THE SPARSELY POPULATED NORTH. THE DOMESTIC SYSTEM TREND COULD BE A BLOW TO INTELSAT'S ASPIRATIONS FOR A SINGLE, WORLD-ORIENTED SYSTEM. LC

8503C

8505C

JANKY, JAMES M.
 LOW-COST RECEIVERS AND THE USE OF DIRECT-BROADCAST SATELLITES FOR INSTRUCTIONAL TELEVISION
 STANFORD JOURNAL OF INTERNATIONAL STUDIES 5, P138-66, JUNE 1970

// EDUCATION BRAZIL ASCEND

THE AUTHOR BELIEVES THAT ONE OF THE MOST EFFECTIVE WAYS OF STIMULATING ECONOMIC GROWTH IN A DEVELOPING NATION IS TO IMPROVE THE EDUCATION OF ITS POPULACE. JANKY SUGGESTS THAT THE PROBLEMS INVOLVED IN IMPROVING EDUCATIONAL SYSTEMS IN DEVELOPING NATIONS MAY BE OVERCOME THROUGH THE USE OF DIRECT BROADCAST SATELLITES TO BEAM INSTRUCTIONAL TELEVISION TO COMMUNITY RECEIVERS. HE DESCRIBES THE TECHNICAL DESIGN OF A DIRECT DISTRIBUTION SYSTEM AND THE EQUIPMENT NECESSARY FOR DIRECT RECEPTION, INCLUDING A COST ESTIMATE FOR PRODUCTION IN A POTENTIAL USER NATION. THE AUTHOR TAKES BRAZIL AS AN EXAMPLE OF THE USER NATION. HE ESTABLISHES 163 DOLLARS AS THE COST FOR A RECEIVER AND ANTENNA. LC

8505C

- 8506C THOMAS, GEOFFREY L. 8506C
 APPROACHES TO CONTROLLING PROPAGANDA AND SPILLOVER FROM DIRECT-BROADCAST SATELLITES
 STANFORD JOURNAL OF INTERNATIONAL STUDIES 5, P167-98, JUNE 1970
 // COMMUNITY-RECEIVERS
 SPILLOVER AND PROPAGANDA FROM DIRECT BROADCAST SATELLITES DEMAND BOTH POLITICAL AND TECHNOLOGICAL CONSIDERATION AND CALL FOR INTERDISCIPLINARY POLICY PLANNING. REDUCING SPILLOVER AND PROPAGANDA INVOLVES ACHIEVING AN OPTIMAL COMBINATION OF TECHNICAL AND ADMINISTRATIVE CONTROLS. DIRECT SATELLITE BROADCASTING CREATES UNIQUE PROBLEMS OF CONTROL SINCE THERE IS NO SINGLE POINT OF RECEPTION AT WHICH CONTROL CAN BE EXERCISED. THE USE OF COMMUNITY RECEIVERS WOULD HELP OVERCOME THE INITIAL RELUCTANCE OF SOME NATIONS TO PROCEED WITH SATELLITE DEVELOPMENT BY CREATING A POINT FOR GOVERNMENT CONTROL AND REDUCING THE EFFECTS OF SPILLOVER. THE AUTHOR RAISES ISSUES AND SUGGESTS APPROACHES WHICH WOULD FACILITATE THE TASK OF BALANCING THE NEED TO REGULATE SPILLOVER AND PROPAGANDA ABUSE AGAINST THE NEED TO PROMOTE AND REALIZE THE POTENTIAL OF SATELLITES FOR INCREASING INTERNATIONAL COMMUNICATION. THE AUTHOR SUGGESTS THAT PROPAGANDA MIGHT HAVE BENEFICIAL CHARACTERISTICS. LC
- 8507C SHILLINGLAW, THOMAS L. 8507C
 THE SOVIET-UNION AND INTERNATIONAL SATELLITE TELECOMMUNICATIONS
 STANFORD JOURNAL OF INTERNATIONAL STUDIES 5, P199-226, JUNE 1970
 // INTELSAT ORBITA
 ALTHOUGH SOVIET COOPERATION WITH INTELSAT MAY BE DESIRABLE, THE STRUCTURE OF INTELSAT IS TOO THOROUGHLY WESTERN TO FACILITATE ANY FORESEEABLE COOPERATION. AT THE TIME THAT INTELSAT WAS ESTABLISHED, SPECIFIC EFFORTS WERE MADE TO EXCLUDE ANY POSSIBILITY OF USSR COOPERATION BECAUSE OF WESTERN POLITICAL CONCERNS. THE AUTHOR SEES EAST-WEST COOPERATION AS DESIRABLE AT THIS TIME, BUT PROBLEMS LIE IN THE AREAS OF INTERNATIONAL INSTITUTIONAL STRUCTURE, ACCEPTABLE VOTING SYSTEMS, THE ROLE OF PRIVATE ENTERPRISE, PROGRAMMING, COPYRIGHTS, THE TECHNICAL COMPATIBILITY OF INTELSAT AND ORBITA, AND THE FACT THAT THE SOVIET'S PRIMARY THRUST HAS BEEN IN THE FIELD OF TV WHILE INTELSAT'S EMPHASIS HAS BEEN IN TELEPHONE AND DATA TRANSMISSION. IT IS HOPED THAT IN ESTABLISHING INTELSAT'S PERMANENT AGREEMENTS CONSIDERATION WILL BE GIVEN TO THESE PROBLEM AREAS TO ALLOW FOR FUTURE COOPERATION. LC
- 8510C DA SILVA, MARIO MOREIRA 8510C
 THE INTERNATIONAL LAW ON RADIO INTERFERENCE
 EBU REVIEW 73B, P37-42, MAY 1962 (PART 1) AND EBU REVIEW 74B, P27-30, JULY 1962 (PART 2)
 // SOVEREIGNTY FREE-FLOW-OF-INFORMATION JAMMING FREQUENCY
 BECAUSE RADIO BROADCASTING IS UNIVERSAL, INSTANTANEOUS AND ALL-PERVASIVE, INTERNATIONAL LAW AND COOPERATION MUST BE USED TO SOLVE THE PROBLEM OF RADIO INTERFERENCE. BASICALLY, THIS PROBLEM HAS TWO ASPECTS. FIRST THERE IS A NEED FOR AN ORDERLY ALLOCATION OF THE RADIO SPECTRUM, A PROBLEM WHICH THE IFRB AND OTHER INTERNATIONAL UNIONS AND CONFERENCES HAVE TRIED TO SOLVE. SECOND IS THE PROBLEM OF JAMMING, WHICH MUST BE CONSIDERED FROM A LEGAL POINT OF VIEW IN LIGHT OF THEORIES REGARDING A NATION'S SOVEREIGNTY OVER ITS AIRSPACE. SOME INTERNATIONAL CONVENTIONS HAVE ADVOCATED THE THEORY THAT SOVEREIGNTY OVER AIRSPACE SHOULD BE UNRESTRICTED, WHILE OTHERS HAVE ENCOURAGED FREE USE OF THE AIR. MANY THEORIES FALL IN BETWEEN THESE TWO EXTREMES. A NUMBER OF INTERNATIONAL AGREEMENTS EMPHASIZE THE FACT THAT SOVEREIGNTY IS MORE IMPORTANT THAN THE FREE FLOW OF INFORMATION. THESE AGREEMENTS GRANT STATES THE RIGHT TO JAM BROADCASTS WHICH ARE DISTORTIONS OF THE TRUTH, LIKELY TO IMPAIR NEIGHBORLY FOREIGN RELATIONS, OR HARMFUL TO A NATION'S SECURITY. DURING WAR, JAMMING BY BELLIGERENTS IS A RECOGNIZED RIGHT, BUT, TO PRESERVE THEIR NEUTRALITY, NONCOMMITTED STATES MUST MAKE CERTAIN THAT THERE ARE NO BELLIGERENT BROADCASTS TRANSMITTED FROM THEIR TERRITORIES. WHILE WARTIME PROVISIONS FOR JAMMING HOLD NO CURRENCY IN PEACETIME, THE AUTHOR FEELS THAT THE THEORY BEHIND WARTIME JAMMING SEEMS APPROPRIATE FOR THE CURRENT COLD WAR. FK
- 8512C PLOMAN, EDWARD W. * PIERCE, WILLIAM B. * TORFS, JACQUES 8512C
 SOUTH-AMERICA, PREPARATORY STUDY OF THE USE OF SATELLITE COMMUNICATION FOR EDUCATION AND NATIONAL DEVELOPMENT
 PARIS, UNESCO, MAY 1970. UNESCO SERIAL NO. 1903/BMS.RD/COM
 // UN EDUCATION DOMESTIC-SYSTEMS REGIONAL-SYSTEMS SUBREGIONAL-SYSTEMS
 THE STUDY FIRST EXAMINES THE SOCIAL AND EDUCATIONAL STATUS AND RELATED PROBLEMS OF ARGENTINA, URUGUAY, CHILE, PERU, ECUADOR, COLOMBIA AND VENEZUELA. THESE FINDINGS ARE THEN CONSIDERED IN LIGHT OF THE BROADCAST AND TELECOMMUNICATION DEVELOPMENTS WITHIN THESE COUNTRIES TO DATE, TO DETERMINE THE FEASIBILITY OF ADOPTING INDIVIDUAL SATELLITE SYSTEMS TO MEET THE SOCIAL AND EDUCATIONAL NEEDS OF EACH COUNTRY. OF THE COUNTRIES EXAMINED, ARGENTINA WAS THE ONLY ONE IN WHICH THE MISSION COULD ENVISAGE THE POSSIBILITY OF A DOMESTIC SATELLITE SYSTEM, BUT MOST OF THE OTHER COUNTRIES WERE IN NEED OF THE SERVICES SUCH A SYSTEM WOULD PROVIDE, ALTHOUGH IT WOULD BE ECONOMICALLY UNFEASIBLE. THE MISSION CONCLUDED, 'IDEALLY, A MULTINATIONAL, REGIONAL APPROACH WOULD SEEM TO OFFER THE OPTIMAL SOLUTION. IT MIGHT, HOWEVER, BE FOUND MORE EXPEDIENT TO START WITH A NATIONAL SYSTEM WHICH COULD LATER BE EXTENDED TO INCLUDE OTHER COUNTRIES.' THE MISSION THEN EXAMINED EXISTING PROPOSALS AND FUTURE IDEAS FOR REGIONAL AND SUBREGIONAL EDUCATIONAL SYSTEMS CONSIDERING SUCH THINGS AS EDUCATIONAL SERVICES PROVIDED, NUMBERS OF STUDENTS TO BE AFFECTED, AND COSTS. IT WAS RECOMMENDED THAT A FEASIBILITY STUDY BE UNDERTAKEN IMMEDIATELY (THROUGH A REQUEST FROM THE INTERESTED COUNTRIES TO THE UNDP) CONCERNING A REGIONAL OR SUBREGIONAL EDUCATIONAL SATELLITE SYSTEM WHICH WOULD TAKE INTO ACCOUNT THE ASPECTS OF EDUCATION AND SOCIAL DEVELOPMENT PRESENTED IN THIS PREPARATORY STUDY. LC
- 8521C HALEY, ANDREW G. 8521C
 COMPETITION IN SATELLITE COMMUNICATIONS
 TELECOMMUNICATION JOURNAL 32,8, P323, AUGUST 1965
 // REGIONAL-EUROPE DOMESTIC-SYSTEMS REGIONAL-SYSTEMS
 THE AUTHOR BRIEFLY REVIEWS THE DEVELOPMENT OF DOMESTIC AND REGIONAL SATELLITE SYSTEMS TO DATE AND CONCLUDES THAT, 'ALTHOUGH THE SOVIET UNION IS THE ONLY NATION IN ADDITION TO THE UNITED STATES THAT HAS DEMONSTRATED A PRESENT CAPACITY TO ESTABLISH AND UTILIZE A COMMUNICATIONS SATELLITE, IT IS NOT UNREASONABLE TO EXPECT THAT IN THE VERY NEAR FUTURE THE EFFORTS BEING MADE IN A NUMBER OF ASTRONAUTICALLY EMERGING NATIONS WILL PRODUCE A VARIETY OF COMMUNICATIONS SATELLITES.' THE AUTHOR ALSO EXAMINES THE PROGRESS MADE IN THE DEVELOPMENT OF A EUROPEAN SATELLITE SYSTEM AND LAUNCH CAPACITY IN LIGHT OF ATTITUDES REGARDING THE UNDESIRABILITY OF COMPLETE EUROPEAN DEPENDENCE ON THE U.S. IN THE FIELD OF COMMUNICATIONS SATELLITES. LC

RECID INDEX

- 8522C GROSS, GERALD C. 8522C
 SPACE COMMUNICATIONS, THE NEED AND SCOPE FOR ACTION
 TELECOMMUNICATION JOURNAL 29,10, P297-303, OCT 1962
 // ITU GLOBAL-SYSTEMS FREQUENCY
 THE AUTHOR REVIEWS BRIEFLY THE HISTORY OF SPACE COMMUNICATIONS TO DATE. HE THEN DESCRIBES THE STEPS TAKEN BY THE 1959 RADIO CONFERENCE AND BY THE ADMINISTRATIVE COUNCIL OF THE ITU AT ITS 17TH SESSION, AS WELL AS THE ACTION TAKEN BY THE UNITED NATIONS GENERAL ASSEMBLY IN ADOPTING RESOLUTION NO. 1721 (XVI) ON 20 DECEMBER 1961. THE GREAT IMPORTANCE OF THE COMING SPACE COMMUNICATIONS CONFERENCE TO BE HELD IN GENEVA ON 7 OCTOBER 1963 AND THE PROBABLE NECESSITY OF ENLARGING THE SCOPE OF ITS AGENDA FROM PURELY TECHNICAL FREQUENCY ALLOCATION PROBLEMS TO INCLUDE THE CONCOMITANT ECONOMIC, LEGAL AND OPERATIONAL ASPECTS OF SPACE TELECOMMUNICATIONS IS BROUGHT OUT. THE AUTHOR THEN POINTS OUT THE TREMENDOUS FUTURE SIGNIFICANCE FOR ALL NATIONS, PARTICULARLY THE NEW OR DEVELOPING ONES, OF SPACE TELECOMMUNICATIONS AS PART OF THEIR NATIONAL ECONOMY AND SOCIAL FABRIC. HE SUGGESTS THE BASIC QUESTIONS THAT NEED TO BE CONSIDERED IN THE FORMULATION OF A PLAN FOR THE WORLD-WIDE OPERATION OF SPACE COMMUNICATIONS. THE TECHNICAL AND ECONOMIC REASONS, APART FROM EFFICIENCY, WHICH MAKE IT ESSENTIAL FOR SPACE COMMUNICATIONS TO BE OPERATED IN A SINGLE WORLD-WIDE SYSTEM ARE BROUGHT OUT AND DISCUSSED. HE POINTS OUT THAT UNLESS THE NATIONS OF THE WORLD CAN AGREE ON A PLAN FOR A SINGLE RATIONAL SYSTEM, PROVIDING UNIFIED OPERATION ON A GLOBAL BASIS, IT MAY BE VERY DIFFICULT TO OBTAIN WORLD-WIDE AGREEMENT ON AN INTERNATIONAL FREQUENCY ALLOCATION PLAN. THE EFFECTS OF FAILURE TO ENSURE INTERFERENCE-FREE SPACE TELECOMMUNICATIONS WOULD BE DISASTROUS. ARTICLE ABSTRACT
- 8523C IVANYI, J CZSEF 8523C
 THOUGHTS ON LEGAL PROVISIONS TO IMPROVE AND SAFEGUARD SPACE COMMUNICATIONS
 TELECOMMUNICATION JOURNAL 31,3, P73-6, MARCH 1963
 // ITU CCIR
 THE AUTHOR EXAMINES SOME OF THE LEGAL PROBLEMS INVOLVED IN THE UTILIZATION OF THE RADIO SPECTRUM, THE DETERMINATION OF THE STATUS OF ARTIFICIAL SPACE OBJECTS, INTERFERENCE PROBLEMS, IDENTIFICATION OF RADIO EMISSIONS, CALL SIGNS, THE PRIORITY OF TELECOMMUNICATIONS CONCERNING SAFETY OF LIFE, AND THE PROTECTION OF TELECOMMUNICATION INSTALLATIONS. THE EXAMINATION IS MADE IN LIGHT OF THE RULES AND REGULATIONS ENACTED BY THE ITU, WHICH FOR MANY YEARS HAS DEMONSTRATED ITS COMPETENCE AS AN INTERNATIONAL REGULATORY AND COORDINATING BODY. THE AUTHOR EXPRESSES CONFIDENCE THAT THE ITU WILL ADOPT NEW RULES AND REVISE THE RADIO REGULATIONS AS THE FIELD OF SATELLITE COMMUNICATIONS DEVELOPS. AT PRESENT THE RADIO REGULATIONS '...NEED MORE DETAILED PROVISIONS GOVERNING THE WHOLE SPHERE OF ELECTRONICS FROM MARITIME RADIOCOMMUNICATIONS THROUGH AIR TRAFFIC CONTROL AND RADAR SERVICE TO THE NEW SPACE FLIGHT CONTROL, EARTH-SPACE AND SPACE-SPACE COMMUNICATIONS.' LC
- 8524C TWENTY-EIGHTH ORDINARY SESSION OF THE LEGAL COMMITTEE 8524C
 EBU REVIEW 1168, P67-9, JULY 1969
 // EBU
 THIS NEWS BRIEF REPORTS THE TOPICS OF DISCUSSION OF THE APRIL 23-26, 1969 MEETING OF THE EBU LEGAL COMMITTEE. REGARDING SATELLITE TRANSMISSIONS, MEMBERS DISCUSSED REPORTS OF RECENT DEVELOPMENTS IN THE U.S., AUSTRALIA, JAPAN AND CANADA, THE WORK OF OTHER INTERNATIONAL ORGANIZATIONS INTERESTED IN SATELLITE COMMUNICATIONS, TARIFFS, SATELLITE ACCESS PROCEDURES, CCITT STUDIES TOWARD REVISION OF RECOMMENDATIONS (E 57, E 57BIS, E 58, AND E 58BIS) CONCERNING INTERNATIONAL RADIO AND TV TRANSMISSIONS, TRANSMISSION COST SHARING BY RECEIVING ORGANIZATIONS, AND PROTECTION OF SATELLITE BROADCASTS. OTHER TOPICS DISCUSSED INCLUDE INTERNATIONAL COPYRIGHT, REVISION OF EBU STATUTES, ASSISTANCE TO BROADCASTING ORGANIZATIONS IN DEVELOPING COUNTRIES, THE EUROPEAN AGREEMENT ON THE PROTECTION OF TELEVISION BROADCASTS, EBU RELATIONS WITH THE INTERNATIONAL FEDERATION OF PERFORMERS, COPYRIGHT PROBLEMS AND STANDARD CONTRACTS, AND THE RIGHT TO INDIVIDUAL PRIVACY. KS
- 8525C THIRTY-FIRST ORDINARY SESSION OF THE LEGAL COMMITTEE 8525C
 EBU REVIEW 1258, P63-4, JAN 1971
 // EBU
 THIS BRIEF NEWS ITEM REPORTS THE TOPICS OF DISCUSSION AT THE OCT. 7-11, 1970 MEETING OF THE EBU LEGAL COMMITTEE. REGARDING SATELLITE BROADCASTING, MEMBERS DISCUSSED THE LATEST DEVELOPMENTS IN EUROPE, AUSTRALIA, JAPAN, CANADA AND THE U.S., NEW CEPT RATES FOR TRANSATLANTIC TV TRANSMISSIONS LASTING FIVE MINUTES OR LESS, RESTRUCTURING OF RATES FOR THE EUROPEAN HALF OF THE SATELLITE RATE, DIRECT BROADCAST SATELLITES, WARC-71, AND PROTECTION OF SATELLITE BROADCASTS. MEMBERS ALSO DISCUSSED THE IMPACT OF VIDEO CASSETTES, REVISION OF THE BERNE AND UNIVERSAL CONVENTIONS, CABLE DISTRIBUTION OF TV PROGRAMMES IN THE NETHERLANDS, INTERNATIONAL SPORTSCASTING, LEGAL DEVELOPMENTS IN MEMBER NATIONS, AND RIGHTS OF INDIVIDUAL PRIVACY. KS
- 8528A SMYTHE, DALLAS W. 8528A
 CONSIDERATIONS ON A WORLD-WIDE COMMUNICATIONS SATELLITE SYSTEM
 TELECOMMUNICATION JOURNAL 29,9, P269-73, SEPT 1962
 // GLOBAL-SYSTEMS PUBLIC-SERVICE
 THE AUTHOR BRIEFLY EXAMINES A '...WORLD ORDER WHICH PERMITS THE HIGHLY DEVELOPED COUNTRIES TO USE LARGE FRACTIONS OF THE WORLD'S RESOURCES (THE SCIENCE, THE ART, THE LITERATURE)....' RECENT DEVELOPMENTS IN THE FIELD OF SATELLITE COMMUNICATIONS COULD IN SOME WAY SERVE TO SPREAD THE WEALTH OF THE WORLD TO ALL NATIONS. A GLOBAL SATELLITE SYSTEM MIGHT BE THE ANSWER. THE AUTHOR EXAMINES THE DIFFERENT TYPES OF SYSTEMS POSSIBLE AND CITES THE NEED FOR INTEGRATION AND COOPERATION IF THE GREAT TECHNOLOGICAL ADVANCES IN THE FIELD ARE TO BE OF BENEFIT TO MANKIND. THERE IS A DISCUSSION OF TWO MAIN PROBLEMS IN ESTABLISHING A GLOBAL SYSTEM, WHICH ARE THE ORGANIZATION OF A SYSTEM AND THE HANDLING OF INTERNATIONAL RELATIONS IN THE USE OF THE SYSTEM. IT IS SUGGESTED THAT A COMMERCIAL INTERNATIONAL AGENCY (CSA) BE CREATED TO HANDLE THE ADMINISTRATION AND REGULATION OF A WORLDWIDE SYSTEM. THE AUTHOR CONCLUDES BY EXPRESSING HOPE THAT '...IN COMMUNICATIONS SATELLITES MAN WILL FIND THE MEANS TO FACILITATE HIS GROWTH TOWARD THE SOCIAL RELATIONS WHICH GUARANTEE THE POSITIVE FREEDOM, THE DIGNITY AND THE SELF-RESPECT WHICH RESTS ON THE SUBSTANTIAL ELIMINATION OF HUNGER, DISEASE AND IGNORANCE. THIS IS WITHIN MAN'S CAPACITY NOW FOR THE FIRST TIME IN HISTORY.' LC

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- 8529A PERSIN, JEAN 8529A
- THE ITU IN SPACE
- TELECOMMUNICATION JOURNAL 29,3, P85-6, MARCH 1962
- IN LIGHT OF THE ITU'S UPCOMING CONFERENCE TO DRAW UP REGULATIONS FOR SPACE TELECOMMUNICATIONS, THE AUTHOR ATTEMPTS TO CLARIFY THE QUESTION OF WHAT EXACTLY IS MEANT BY SPACE TELECOMMUNICATIONS. A DETAILED ITU DEFINITION IS PRESENTED WHICH ALSO REFLECTS UPON THE ITU'S FUNCTIONS AND LIMITS OF RESPONSIBILITY. THE AUTHOR THEN PRESENTS FOUR QUESTIONS REGARDING THE ITU'S RESPONSIBILITY AND ADVANCES THE VIEW THAT '...ALMOST ALL REGULATIONS FOR THE USE OF SPACE MIGHT BE REPLACED BY REGULATIONS ON SPACE TELECOMMUNICATIONS, SINCE WITHOUT TELECOMMUNICATIONS, USE OF SPACE, WHETHER FOR PEACEFUL PURPOSES OR NOT, IS HARDLY FEASIBLE.' LC
- 8530A GROSS, GERALD C. 8530A
- THE UNITED-NATIONS IN SPACE
- TELECOMMUNICATION JOURNAL 29,1, P2-3, JAN 1962
- // ITU PUBLIC-SERVICE
- THE U.N. GENERAL ASSEMBLY UNANIMOUSLY RECOMMENDED ON DEC. 20, 1961, THAT A COMPREHENSIVE STUDY OF THE POSSIBILITY OF ADVANCING THE STATE OF ATMOSPHERIC SCIENCE TECHNOLOGY AND FURTHER DEVELOPING EXISTING WEATHER FORECASTING CAPABILITIES, IN LIGHT OF DEVELOPMENTS IN OUTER SPACE, BE UNDERTAKEN BY MEMBER STATES AND THE WMO. IT WAS ALSO RECOMMENDED THAT THE ITU CONFERENCE IN 1963 ON FREQUENCY ALLOCATION CONSIDER THOSE ASPECTS OF SATELLITE COMMUNICATIONS WHICH REQUIRE INTERNATIONAL COOPERATION. THE GENERAL ASSEMBLY RECOGNIZES '...THE COMMON INTEREST OF MANKIND IN FURTHERING THE PEACEFUL USES OF OUTER SPACE AND THE URGENT NEED TO STRENGTHEN INTERNATIONAL COOPERATION IN THIS IMPORTANT FIELD.' THE PROPOSAL THAT THE U.N. USE COMMUNICATION SATELLITES FOR BOTH OPERATIONAL AND INFORMATIONAL PURPOSES IS ALSO PRESENTED. LC
- 8531A PARDCE, G.K.C. * STEINES, L.W. 8531A
- REGIONAL AND GLOBAL IMPLICATIONS OF A EUROPEAN SATELLITE COMMUNICATIONS SYSTEM
- PAPER PRESENTED AT THE AIAA COMMUNICATIONS SATELLITE SYSTEMS CONFERENCE, 20, SAN FRANCISCO, APRIL 8-10, 1968. PAPER 68-468. 9P
- // REGIONAL-EUROPE
- CONSIDERATION OF VARIOUS PROPOSALS TO MEET ESSENTIALLY EUROPEAN INTERESTS IN SATELLITE COMMUNICATIONS. IN THE PROCESS OF RATIONALIZING EUROPEAN ACTIVITIES IN THE SPACE FIELD, CONSIDERABLE EMPHASIS HAS BEEN PLACED BY VARIOUS BODIES ON TELECOMMUNICATIONS IN THE BROADEST SENSE, EMBRACING TELEPHONY, TELEGRAPHY, DATA TRANSMISSION SYSTEM, TELEVISION DISTRIBUTION, TELEVISION BROADCASTING TO SMALL COMMUNITIES OR DIRECTLY TO RECEIVERS IN THE HOME, AND SYSTEMS FOR AIR TRAFFIC CONTROL, SURVEILLANCE NAVIGATION, AND METEOROLOGY. MANY ASPECTS OF EXPERIMENTAL SYSTEMS ARE ALREADY BEING INVESTIGATED BOTH COLLECTIVELY AND NATIONALLY, AND THESE WILL RESOLVE QUESTIONS OF TECHNICAL FEASIBILITY. THE FINAL AIM, HOWEVER, IS FOR OPERATIONAL SYSTEMS TO MEET SPECIFIC TRAFFIC OR CUSTOMER REQUIREMENTS. AIAA
- 8532C FRUTKIN, A.W. 8532C
- INTERNATIONAL COOPERATION IN SPACE
- ENGLEWOOD CLIFFS, N.J., PRENTICE-HALL, 1965. 186P
- THIS BOOK IS INTENDED TO SUPPLY A DEGREE OF KNOWLEDGE AND UNDERSTANDING OF THE HISTORY AND PRESENT STATUS OF CONTRIBUTIONS TO COOPERATION IN SPACE, THE INSTITUTIONS INVOLVED, AND THE TECHNICAL AND POLITICAL CONSTRAINTS WHICH APPLY. SUCH KNOWLEDGE IS CONSIDERED INDISPENSABLE TO INTERNATIONAL COOPERATION IN SPACE. THE INTERNATIONAL NATURE OF SCIENCE IS NOTED, AND THE U.S. PHILOSOPHY AND PROGRAM FOR INTERNATIONAL COOPERATION IS DESCRIBED. THE FIRST STEPS FOR IMPLEMENTATION OF THE PROGRAM WERE TAKEN BY NASA AT THE COSPAR MEETING IN MARCH 1959 AT THE HAGUE. VARIOUS COOPERATIVE PROJECTS ARE DISCUSSED AND THE TANGIBLE BENEFITS ARE ANALYZED. COOPERATION WITH THE USSR IS CONSIDERED IN TERMS OF NASA EFFORTS, THE DRYDEN-BLAGONRAVOV AGREEMENTS, AND THE LOVELL CORRESPONDENCE. EUROPEAN REGIONAL ORGANIZATIONS FOR INTERNATIONAL COOPERATION ARE LISTED AND THEIR OBJECTIVES AND PROGRAMS ARE DESCRIBED. THE ROLE OF THE U.N. IN SPACE COOPERATION IS DISCUSSED, AND PROSPECTS FOR THE FUTURE ARE CONSIDERED. AIAA
- 8533A BOLKOW, L. 8533A
- PROBLEMS AND POSSIBILITIES OF FUTURE US - EUROPEAN COOPERATION IN THE SPACE FIELD
- PAPER PRESENTED AT EUROSPACE, U.S. - EUROPEAN CONFERENCE, 3RD, MUNICH, WEST GERMANY, JUNE 18-21, 1968. 8P
- // INTELSAT
- REVIEW OF THE PAST THREE YEARS OF U.S. - EUROPEAN COOPERATION IN THE SPACE FIELD, STRESSING THE LACK OF LARGE-SCALE INVOLVEMENT OF EUROPEAN INDUSTRY AND GOVERNMENTS IN SPACE PROJECTS. CONSIDERED ALSO ARE THE UNSATISFACTORY ROLE OF EUROPE IN INTELAT, ORGANIZATIONAL PROBLEMS, U.S. DOMINATION OF MOST OF THE SPACE EFFORTS, AND FUTURE PROSPECTS. AIAA
- 8534A BIGNIER, M. 8534A
- POINT DE VUE DE LA CONFERENCE EUROPEENNE DE TELECOMMUNICATION PAR SATELLITE (CETS) (POINT OF VIEW OF THE EUROPEAN SATELLITE TELECOMMUNICATION CONFERENCE (CETS))
- PAPER PRESENTED AT SOCIETE FRANCAISE D'ASTRONAUTIQUE, SYMPOSIUM SPATIAL EUROPEEN, 7TH, BORDEAUX, MAY 22-4, 1967. 6P. IN FRENCH
- // REGIONAL-EUROPE
- REVIEW OF STUDIES CARRIED OUT BY CETS UP TO THE PRESENT, WITH A DISCUSSION OF DIFFICULTIES WHICH MUST BE RESOLVED AND PROSPECTS FOR THE FUTURE. THE HISTORY OF CETS IS BRIEFLY OUTLINED. CETS DOES NOT HAVE JURIDICAL STATUS. IT IS, RATHER, A GATHERING OF GOVERNMENTAL REPRESENTATIVES FOR THE PURPOSE OF DISCUSSING THEIR COMMON INTERESTS. COMMENTS ARE MADE ON THE INTELAT PROJECTS, THE EUROPEAN TECHNICAL PROGRAM, AND JURIDICAL AND ADMINISTRATIVE OPERATIONS. THE VARIOUS DECISIONS TO BE MADE ARE DISCUSSED. AIAA

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- 8535A ISTVAN, EDWIN J. 8535A
 ORGANIZATION AND PROGRAM OF INTELSAT
 PAPER PRESENTED AT AIAA, COMMUNICATIONS SATELLITE SYSTEMS CONFERENCE, WASHINGTON, MAY 2-4, 1966.
 PAPER 66-332. PAGES 929-39 IN MARSTEN, R.B. (EDITOR) COMMUNICATION SATELLITE SYSTEMS
 TECHNOLOGY. NEW YORK, ACADEMIC PRESS, 1966; (PROGRESS IN ASTRONAUTICS AND AERONAUTICS, VOL.
 19)
 SURVEY OF THE ORGANIZATION, PURPOSES, AND PROGRAM OF THE INTERNATIONAL TELECOMMUNICATIONS SATELLITE
 CONSORTIUM (INTELSAT). A PARTNERSHIP OF THE SIGNATORIES OF TWO INTERNATIONAL AGREEMENTS
 FORMULATED IN 1964, INTELSAT IS RESPONSIBLE FOR THE CONSTRUCTION AND OPERATION OF THE
 SATELLITES USED IN A TELECOMMUNICATIONS SATELLITE SYSTEM AND THE EQUIPMENT AND FACILITIES
 REQUIRED FOR THEIR CONTROL. THE PARTNERS - THE SIGNATORY NATIONS AND THEIR COMMUNICATIONS
 ENTITIES - SHARE THE OWNERSHIP AND EXPENSES OF THE CONSORTIUM IN PROPORTION TO THEIR PROJECTED
 INTERNATIONAL TELEPHONE TRAFFIC FOR 1968. AMONG THEM THEY ACCOUNT FOR OVER 90 PER CENT OF THE
 POTENTIAL INTERNATIONAL TELECOMMUNICATIONS TRAFFIC THAT MIGHT BE SERVED BY A GLOBAL SATELLITE
 SYSTEM IN THE NEXT FEW YEARS. AIAA
- 8536A MORENOFF, JEROME 8536A
 COMMUNICATIONS IN ORBIT - A LEGAL ANALYSIS AND PROGNOSIS
 PAPER PRESENTED AT AIAA, COMMUNICATIONS SATELLITE SYSTEMS CONFERENCE, WASHINGTON, MAY 2-4, 1966.
 PAPER 66-277. PAGES 1011-31 IN MARSTEN, R.B. (EDITOR) COMMUNICATION SATELLITE SYSTEMS
 TECHNOLOGY. NEW YORK, ACADEMIC PRESS, 1966. (PROGRESS IN ASTRONAUTICS AND AERONAUTICS, VOL.
 19)
 DISCUSSION OF THE LEGAL ASPECTS OF COMMUNICATION SATELLITES AND A DEFINITION OF LAW UPON WHICH SUCH
 A DISCUSSION IS BASED. THE REQUIREMENTS OF CUSTOMARY INTERNATIONAL LAW ARE REVIEWED. IT IS
 SHOWN THAT THE TIME ELEMENT IS THE MOST DIFFICULT TO DEFINE AND THAT THE NECESSARY DURATION
 REQUIRED FOR THE DEVELOPMENT OF CUSTOMARY LAW IS A FUNCTION OF THE COMMUNITY OBJECTIVES, THE
 GENERAL CIRCUMSTANCES INVOLVED, AND THE FREQUENCY OF OCCURRENCE. THE PROBLEM OF ACCESS TO AND
 PEACEFUL USES OF OUTER SPACE IN TERMS OF INTERNATIONAL COOPERATION IS EXAMINED. THE
 RESOLUTIONS AND REPORTS ON THE QUESTION OF THE LEGAL STATUS OF OUTER SPACE AS PREPARED BY
 INTERNATIONAL BODIES AND COMMITTEES ARE REVIEWED. AIAA
- 8538A 8538A
 LA CONFERENCE EUROPEENNE DES TELECOMMUNICATIONS PAR SATELLITES (CETS) (EUROPEAN CONFERENCE ON
 TELECOMMUNICATIONS BY SATELLITES (CETS))
 SCIENCES ET INDUSTRIES SPATIALES 2,11/12, P47-51, 1966. IN FRENCH
 // REGIONAL-EUROPE
 DISCUSSION OF THE PRESENT AND FUTURE FUNCTIONS OF CETS. THIS BODY IS NOW EXTENDING ITS FUNCTION TO
 EMBRACE THE DEVELOPMENT OF A EUROPEAN POTENTIAL IN THE MATTER OF TELECOMMUNICATION BY
 SATELLITES. THE TECHNICAL PLANNING GROUP HAS MADE A REPORT ADVOCATING A PROGRAM WHICH, IN
 ADDITION TO THE CONSTRUCTION OF AN EXPERIMENTAL SATELLITE TO BE LAUNCHED IN 1970, ENVISAGES
 TECHNOLOGICAL STUDIES AND DEVELOPMENTS THAT WILL MAKE IT POSSIBLE TO PARTICIPATE IN THIS
 SPECIAL FIELD OF SPACE APPLICATIONS. A STUDY WAS MADE OF THE VARIOUS PATTERNS OF EUROPEAN
 COOPERATION MOST CONDUCTIVE TO SUCH ACCOMPLISHMENTS. THE INTENTION IS TO RELY GREATLY ON THE
 FACILITIES ALREADY EXISTING WITHIN CERS/ESRO AND CECLIS/ELDO. AIAA
- 8539C PERSIN, JEAN 8539C
 WILL SPACE BE OPEN TO PIRACY
 TELECOMMUNICATION JOURNAL 30,4, P112-5, APRIL 1963
 // DIRECT-BROADCASTING
 AFTER DEFINING PIRACY AS IT APPLIES TO TERRESTRIAL BROADCASTING, THE AUTHOR DISCUSSES THE GENERAL
 ASPECTS OF SPACE BROADCASTING AND HOW PIRACY MIGHT BE APPLIED. HE THEN PRESENTS REASONS FOR
 THE REGULATION OF A COMMUNICATION SATELLITE SYSTEM FROM LEGAL, TECHNICAL, ECONOMIC, AND
 POLITICAL POINTS OF VIEW. THE AUTHOR RECOGNIZES THAT ". . . FACED WITH THE TERRIFYING MILITARY
 APPLICATIONS OF SPACE, ONE MAY INDEED WONDER WHETHER IT IS NOT UTOPIAN TO CLAIM TO BE ABLE TO
 REGULATE SPACE BROADCASTING." THE UNDERLYING FEELING IS THAT UNLESS MEASURES ARE TAKEN SOON IN
 THE AREA OF INTERNATIONAL CONTROL, ". . . IT IS CERTAIN THAT SPACE WILL BE OPEN TO 'PIRACY' AND
 THAT THE WORLD WILL BE DEPRIVED OF THE MOST POWERFUL, THE MOST EFFECTIVE AND THE MOST COMPLETE
 MEANS OF ACHIEVING ITS UNITY." LC
- 8540C LEVIN, HARVEY J. 8540C
 THERE IS ALWAYS A SUBSTITUTE FOR SPECTRUM
 TELECOMMUNICATION JOURNAL 36,1, P33-5, JAN 1969
 // FREQUENCY FCC ODTM
 THE AUTHOR, AN ECONOMIST, EXAMINES THE POSSIBILITY OF LIMITING OR TAKING AWAY FREQUENCY
 ASSIGNMENTS, IN HOPES OF FINDING A SUBSTITUTION FOR THE SERVICES AFFECTED BY SUCH LIMITATIONS.
 THE TRUTH ABOUT SPECTRUM SUBSTITUTES IS PRESENTLY GREETED WITH DISBELIEF IN FREQUENCY
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 ORGANIZED MARKET THROUGH WHICH THE PRICES OF SPECTRUM AND NON-SPECTRUM INPUTS IN COMMUNICATIONS
 HARDWARE CAN BE GRADUALLY BROUGHT INTO EQUILIBRIUM. RECENTLY ECONOMISTS HAVE BEGUN TO DELVE
 INTO THE ELECTRONICS-ENGINEERING BASE OF SPECTRUM MANAGEMENT. PREVIOUSLY ENGINEERS WERE THE
 ONLY ONES CONCERNED WITH THIS SUBJECT. THE AUTHOR FEELS THERE IS A GREAT NEED FOR
 COMMUNICATIONS ECONOMISTS WITHIN THE GOVERNMENT ITSELF WHERE MOST OF THE FREQUENCY MANAGEMENT
 DECISIONS MUST BE MADE. ALL GOVERNMENTS MUST JOIN IN SOME IN-DEPTH STUDIES OF THE COSTS OF
 ALTERNATIVE COMMUNICATIONS SYSTEMS TO BE SUBSTITUTED FOR MARGINAL FREQUENCY USES. TWO CASES
 ARE STATED AS EXAMPLES OF HOW THIS PROBLEM WOULD BE ATTACKED BY A COMMUNICATIONS-ECONOMIST. LC

REC'D INDEX

- 8541C GIFFORD, R.P. 8541C
- A NEW CONCEPT IN DOMESTIC SATELLITE COMMUNICATIONS
- TELECOMMUNICATION JOURNAL 36,10, P475-9, OCT 1969
- // DATA-TRANSMISSION GE
- THE AUTHOR, GENERAL MANAGER OF GENERAL ELECTRIC, CRITICIZES PREVIOUS U.S. DOMESTIC SATELLITE PROPOSALS FOR FAILING '... TO OFFER THE PUBLIC SOMETHING REALLY NEW - A DRAMATIC NEW SERVICE OR DRAMATIC SAVINGS SUCH AS 90 PER CENT ON EXISTING SERVICES. THERE ARE TOO MANY ALTERNATE TERRESTRIAL SOLUTIONS TO MANY OF THE COMMUNICATION NEEDS OF THE COUNTRY TO RUSH INTO USING THE LIMITED FREQUENCY AND ORBIT SPACE FOR SATELLITES TO PERFORM THE ORDINARY.' AS AN ALTERNATIVE TO THESE APPROACHES, HE OFFERS A DESCRIPTION OF G.E.'S PLAN TO ESTABLISH A DOMESTIC SATELLITE NETWORK '... OPTIMIZED TO SERVE THE SPECIAL NEEDS OF DATA INPUT AND OUTPUT MACHINES. INSTEAD OF USING A GENERAL PURPOSE VOICE COMMUNICATION NETWORK OPTIMIZED TO SERVE 100 MILLION TELEPHONES, WE SUGGEST THAT LOW SPEED DATA INPUT AND OUTPUT MACHINES TALK TO EACH OTHER AND THEIR COMPUTERS OVER A SEPARATE NETWORK CAPABLE OF HANDLING AT THE START THE 200 000 KEYBOARD AND PRINTER TYPE MACHINES NOW IN USE - AND CAPABLE OF HANDLING UP TO 2 MILLION SUCH UNITS IN THE FUTURE.' THIS COULD BE ACCOMPLISHED THROUGH THE USE OF SATELLITES AT ONE TENTH OF THE COST PER MESSAGE OF THE PRESENT TELEPHONE NETWORK. IT IS PREDICTED THAT G.E.'S USE OF SATELLITES WILL HAVE A TANGIBLE IMPACT ON THE AMERICAN PUBLIC AS WELL AS A GREAT DEGREE OF PRODUCTIVITY. LC
- 8542C RYDBECK, CLAF * PLOMAN, EDWARD W. 8542C
- THE EUROPEAN BROADCASTER'S ATTITUDE TOWARD SATELLITE TECHNOLOGY
- TELECOMMUNICATION JOURNAL 36,2, P72-8, FEB 1969
- // EBU PROGRAMMING COPYRIGHT TARIFFS
- THIS BRIEF STUDY EXAMINES SOME OF THE PROBLEMS OF CONCERN TO BROADCASTERS AS USERS OF SATELLITE COMMUNICATION SYSTEMS. AREAS COVERED ARE 1) THE ROLE OF BROADCASTING AND HOW IT APPLIES TO SATELLITE COMMUNICATION 2) THE RELATIONSHIP BETWEEN BROADCASTERS, GOVERNMENTS, AND TELECOMMUNICATION AGENCIES 3) THE PRIORITIES ESTABLISHED BETWEEN BROADCASTING AND TELECOMMUNICATIONS (TELEPHONE AND TELEGRAPH) AND HOW THIS AFFECTS THE ACCESSABILITY OF SATELLITE BROADCASTING AND 4) THE PROGRAMMING PROBLEMS INVOLVED IN INTERNATIONAL BROADCASTING. THE AUTHORS USE THE EBU AS AN EXAMPLE TO BRING OUT THE PROBLEMS INVOLVED IN INTERNATIONAL PROGRAMMING. THEY FEEL '... ITS ACHIEVEMENTS AND SHORTCOMINGS ARE IMPORTANT FOR THE FUTURE USE OF SPACE COMMUNICATIONS BY THE BROADCASTERS.' MANY OF THE PROBLEMS FACING INTERNATIONAL BROADCASTING NOW ARE A RESULT OF THE FACT THAT TECHNOLOGICAL DEVELOPMENTS HAVE ADVANCED TOO FAST FOR THE POLICY MAKERS TO EVOLVE ADEQUATE SOCIAL STRUCTURES AT THE SAME PACE. THIS IS ALSO REFLECTED IN A LACK OF APPRECIATION OF THE FUNCTION AND IMPORTANCE OF SPACE COMMUNICATIONS, WHICH IN TURN RESULTS IN THIS '... INNOVATION BEING DEALT WITH IN ACCORDANCE WITH RULES AND SOCIAL PATTERNS ESTABLISHED FOR OTHER PURPOSES.' LC
- 8543C MALEK-ASGHAR, M. 8543C
- REFLECTIONS ON THE PLAN FOR THE DEVELOPMENT OF TELECOMMUNICATION NETWORKS IN LATIN-AMERICA ON THE EVE OF THE FOURTH LATIN-AMERICA PLAN MEETING
- TELECOMMUNICATION JOURNAL 36,7, P337-40, JULY 1969
- // ITU REGIONAL-SYSTEMS
- THE AUTHOR PROVIDES A BRIEF ACCOUNT OF THREE MEETINGS OF THE ITU'S PLAN COMMITTEE FOR LATIN AMERICA HELD IN MEXICO CITY (1960), BOGOTA (1963), AND SANTIAGO DE CHILE (1965). THE PURPOSE OF THE COMMITTEE IS TO EXAMINE EXISTING COMMUNICATION FACILITIES AND TO ESTABLISH A GENERAL PLAN FOR THE DEVELOPMENT OF AN INTERNATIONAL COMMUNICATIONS NETWORK TO SERVE THE REGION. AN ADEQUATE MEANS OF COMMUNICATION MUST BE DEVELOPED IF THE LATIN AMERICAN COUNTRIES ARE TO REALIZE THE TREMENDOUS POSSIBILITIES OFFERED TECHNICAL PROGRESS AND INDUSTRIAL DEVELOPMENT. LC
- 8550C COMMUNICATIONS SATELLITE CORPORATION 8550C
- MULTI-PURPOSE DOMESTIC SATELLITE COMMUNICATIONS SYSTEM. VOLUME I, SYSTEM APPLICATION
- WASHINGTON, COMSAT, MARCH 1, 1971. SEE 8551-53
- // AT-T 4-6GHZ 12-13GHZ
- *COMSAT PROPOSES TO ESTABLISH THREE LARGE CAPACITY COMMUNICATIONS SATELLITES IN GEOSTATIONARY ORBITS, AND AN INITIAL NETWORK OF 132 EARTH STATIONS AND ASSOCIATED TERRESTRIAL COMMUNICATIONS FACILITIES THROUGHOUT THE UNITED STATES, INCLUDING STATIONS IN ALASKA, HAWAII, AND PUERTO RICO.* THE SYSTEM IS DESIGNED TO HANDLE ALL CONVENTIONAL TELECOMMUNICATIONS SERVICES AND A WIDE VARIETY OF WIDEBAND AND OTHER SERVICES, AT COSTS WHICH ARE MORE ECONOMICAL THAN EXISTING TERRESTRIAL SERVICES. A SEPARATE 3 SATELLITE SYSTEM IS PROPOSED TO HANDLE THE NEEDS OF AT+T. *THE GROUND SEGMENT OF THE SYSTEM WILL INCLUDE TWO MAJOR EARTH STATIONS, EACH WITH TWO 97' ANTENNAS AND ONE 42' ANTENNA, THE LATTER TO BE USED FOR TRACKING, TELEMETRY AND COMMAND (TT+C) FUNCTIONS.* THE MAJOR STATIONS WILL SERVE THE NEW YORK CITY AND LOS ANGELES AREAS. 130 ADDITIONAL STATIONS WILL COMPLETE THE INITIAL SYSTEM CONFIGURATION. THE 3 SATELLITES WILL BE LOCATED AT 90, 114, AND 124 DEGREES WEST LONGITUDE. 2 OF THE SATELLITES WILL PROVIDE FULL-TIME SERVICE, WITH THE 3RD USED FOR BACK-UP. A 4TH SATELLITE AND LAUNCH VEHICLE WILL BE ON THE GROUND AS A SPARE. EACH SATELLITE WILL HAVE 24 TRANSPONDERS OPERATING IN THE 4 AND 6 GHZ FREQUENCY BANDS. EACH SATELLITE PROVIDES SERVICES FOR VOICE CHANNEL TRAFFIC (14,400 TWO-WAY TELEPHONE CIRCUITS), HIGH SPEED DIGITAL TRANSMISSION, OR 24 SIMULTANEOUS TV CHANNELS. ALSO INCLUDED IS ONE ADDITIONAL TRANSPONDER PER SATELLITE FOR EXPERIMENTATION IN THE 12 AND 13 GHZ BANDS. THE SYSTEM WILL COST 248.4 MILLION DOLLARS, WITH AN ANNUAL REVENUE REQUIREMENT OF 68.8 MILLION DOLLARS. THE EMPHASIS OF THIS PROPOSAL SEEMS TO BE THE ADAPTABILITY OF THE SYSTEM TO ALL POSSIBLE NEEDS AT A SIGNIFICANT SAVINGS OVER TERRESTRIAL FACILITIES. THE ADVANTAGES OF A SINGLE, LARGE SYSTEM ARE DEALT WITH IN DETAIL. LC
- 8551C COMMUNICATIONS SATELLITE CORPORATION 8551C
- MULTI-PURPOSE DOMESTIC SATELLITE COMMUNICATIONS SYSTEM. VOLUME II, TECHNICAL DATA AND SATELLITE APPLICATIONS
- WASHINGTON, COMSAT, MARCH 1, 1971
- SEE 8550 AND 8552-3.

REC'D INDEX

8552C COMMUNICATIONS SATELLITE CORPORATION 8552C
 MULTI-PURPOSE DOMESTIC SATELLITE COMMUNICATIONS SYSTEM. VOLUME III, EARTH-STATION APPLICATIONS
 WASHINGTON, COMSAT, MARCH 1, 1971
 SEE 8550 AND 8551,3.

8553C COMMUNICATIONS SATELLITE CORPORATION 8553C
 APPLICATION TO CONSTRUCT A SYSTEM OF DOMESTIC SATELLITE FACILITIES FOR USE BY AT-T
 WASHINGTON, COMSAT, MARCH 3, 1971
 SEE 8550 AND 8551-2.

8554C RCA GLOBAL COMMUNICATIONS * RCA ALASKA COMMUNICATIONS 8554C
 APPLICATION FOR A DOMESTIC COMMUNICATION SATELLITE SYSTEM. VOLUME I
 NEW YORK, RCA GLOBAL COMMUNICATIONS, MARCH 11, 1971
 // ALASKA ETV CATV PBS 12-13GHZ
 THE SYSTEM PROPOSED CONSISTS * . . OF 13 MAJOR EARTH STATIONS AND THREE SATELLITES IN GEOSTATIONARY ORBITS WITH A FOURTH SATELLITE IN RESERVE ON THE GROUND. SEVEN EARTH STATIONS WOULD BE LOCATED IN THE CONTIGUOUS STATES, ONE IN HAWAII, AND FIVE WOULD BE IN ALASKA. THE SYSTEM PROVIDES FOR ADDITIONAL EARTH STATIONS IN ALASKA AND ALSO APPROXIMATELY 23 TELEVISION TRANSMIT/RECEIVE AND 370 RECEIVE ONLY EARTH STATIONS TO SERVE SMALLER COMMUNITIES IN THE EVENT OF FIRM AGREEMENTS WITH THE NETWORKS AND OTHER USERS. * THE SERVICES PROVIDED BY THE SYSTEM WOULD BE IN THE AREAS OF DIGITAL AND ANALOG DATA TRANSMISSION, TELEVISION AND RADIO NETWORK DISTRIBUTION, AND CATV, ETV AND ITV EXPANSION AND DISTRIBUTION. THE INITIAL OPERATIONS DATE WOULD BE 24 MONTHS AFTER THE FCC'S APPROVAL, AND THE ESTIMATED CAPITAL INVESTMENT FOR THE FULL SYSTEM IS ESTIMATED TO BE 198 MILLION DOLLARS. THE APPLICANT HAS CHOSEN THE 12-TRANSPONDER TYPE SATELLITES RATHER THAN THE 24-TRANSPONDER. THE PROPOSAL IS DESIGNED TO PROVIDE FOR THE USE OF THE 12/13 GHZ FREQUENCY BAND IN THE EVENT THAT IT SHOULD BECOME LEGALLY, ECONOMICALLY AND TECHNICALLY FEASIBLE. RESULTS OF THE 1971 WARC WILL BE TAKEN INTO CONSIDERATION BY THE APPLICANT. THE MAIN EMPHASIS OF THIS PROPOSAL SEEMS TO BE THE SERVICE WHICH THE SYSTEM WOULD PROVIDE FOR ALASKA. *ALASKA NEEDS AN UPGRADING AND EXPANSION OF ITS LONG-HAUL COMMUNICATIONS SYSTEM TO MATCH ITS ACCELERATING GROWTH. . . * THE SYSTEM WOULD ALSO PROVIDE 2 TRANSPONDERS FOR THE USE OF PBS. LC

8555C RCA GLOBAL COMMUNICATIONS * RCA ALASKA COMMUNICATIONS 8555C
 APPLICATIONS FOR GEOSTATIONARY COMMUNICATION SATELLITES. VOLUME II
 NEW YORK, RCA GLOBAL COMMUNICATIONS, MARCH 11, 1971
 SEE 8554 AND 8556-7.

8556C RCA GLOBAL COMMUNICATIONS * RCA ALASKA COMMUNICATIONS 8556C
 APPLICATIONS FOR SATELLITE EARTH-STATIONS. VOLUME III
 NEW YORK, RCA GLOBAL COMMUNICATIONS, MARCH 11, 1971
 SEE 8554 AND 8555-7.

8557C RCA GLOBAL COMMUNICATIONS * RCA ALASKA COMMUNICATIONS 8557C
 TECHNICAL ANNEX TO VOLUME I
 NEW YORK, RCA GLOBAL COMMUNICATIONS, MARCH 11, 1971
 SEE 8554 AND 8555-6.

8558C FAIRCHILD HILLER CORPORATION 8558C
 APPLICATION FOR A DOMESTIC COMMUNICATION SATELLITE SYSTEM. VOLUME I
 GERMANTOWN, MD., FAIRCHILD HILLER, MARCH 15, 1971
 // 4-6GHZ 7-13GHZ ALASKA
 *THE APPLICANT PROPOSES TO CONSTRUCT AND OPERATE A DOMESTIC COMMUNICATION SATELLITE SYSTEM WHICH WILL INITIALLY CONSIST OF A) SIX EARTH STATIONS B) TWO GEOSTATIONARY COMMUNICATION SATELLITE SPACE STATIONS C) TELEMETRY, TRACKING, COMMAND AND CONTROL EQUIPMENT D) APPROPRIATE TERRESTRIAL LINKS TO AT+T AND OTHER PUBLIC COMMUNICATION NETWORKS INCLUDING ANY AUTHORIZED SPECIALIZED MICROWAVE COMMON CARRIERS E) A THIRD SATELLITE IN GROUND RESERVE AND F) OTHER FACILITIES. *
 *USING ONE SATELLITE SPACE STATION, THE DOMESTIC COMMUNICATION SATELLITE SYSTEM PROPOSED BY THE APPLICANT WILL PROVIDE 96 CHANNELS OF POINT-TO-POINT MESSAGE SERVICE EMPLOYING MULTIPLE REUSE OF THE 4 AND 6 GHZ FREQUENCY BANDS IN NARROW BEAMS, AND 24 CHANNELS FOR DISTRIBUTION OF TELEVISION BROADCAST PROGRAM MATERIAL TO THE CONTIGUOUS FORTY-EIGHT (48) STATES (CONUS) BY AREA COVERAGE BEAMS USING THE 7 AND 13 GHZ FREQUENCY BANDS. IN ADDITION TO CONUS MESSAGE TRAFFIC, THE NARROW BEAM SERVICE WILL BE EMPLOYED TO DISTRIBUTE TELEVISION PROGRAM MATERIAL AND MESSAGE SERVICE WITHIN AND TO ALASKA, HAWAII, PUERTO RICO AND THE PANAMA CANAL ZONE (*OFF-SHORE* LOCATIONS). APPLICANT OFFERS AS A *PEOPLE'S DIVIDEND* 1) LOW COST, LONG DISTANCE TELEPHONE SERVICE 2) TWO, FREE, NON-INTERRUPTABLE SATELLITE TRANSPONDER CHANNELS IN CONUS FOR TV BROADCAST DISTRIBUTION IN THE PUBLIC INTEREST 3) FREE, PART-TIME USE OF TWO SATELLITE TRANSPONDER CHANNELS BY THE MEDICAL COMMUNITY. . . * 4) THE SHARED USE, BY PUBLIC INTERESTS, OF TELEVISION BROADCAST DISTRIBUTION SERVICES TO ALASKA, HAWAII, PUERTO RICO AND THE CANAL ZONE 5) OPTIONS USING THE 2150-2200 MHZ AND 2500-2690 MHZ BANDS A) DIRECT-TO-THE-SCHOOLHOUSE INSTRUCTIONAL TELEVISION FOR. . . REMOTE AREAS, OR B) MESSAGE SERVICE FOR THE ALASKAN *BUSH*. THE APPLICATION IS BASED ON ATS-F TECHNOLOGY. LC

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8559C HUGHES AIRCRAFT COMPANY 8559C
 APPLICATION FOR A DOMESTIC COMMUNICATION SATELLITE SYSTEM. VOLUME I
 LOS ANGELES, HUGHES, NOV 1970. HUGHES REF. NO. C1997
 // CATV PROGRAMMING GT-E LOW-COST PBS PUBLIC-SERVICE 4-6GHZ
 THIS SATELLITE SYSTEM PROPOSED BY HUGHES WILL PROVIDE MULTIPLE CHANNEL BROADBAND DISTRIBUTION TO CATV SYSTEMS THROUGHOUT THE 50 STATES. THE SYSTEM . . . CONSISTS OF A PRIMARY OPERATIONS CONTROL CENTER IN NEW JERSEY, AN AUXILIARY OPERATIONS CENTER IN THE LOS ANGELES AREA, TWO TRANSMIT TERMINALS. . . TWO SATELLITES IN ORBIT (WITH PLANNED GROWTH TO THREE), RECEIVE-ONLY TERMINALS LOCATED THROUGHOUT THE 50 STATES, AND THE REQUIRED TERRESTRIAL INTERCONNECT LINKS. . . THE HS-333 SATELLITES TO BE USED ARE ADAPTATIONS OF THE ONES BEING DEVELOPED FOR THE CANADIAN SYSTEM AND CONTAIN 12-CHANNEL REPEATERS OPERATING IN THE 4/6 GHZ FREQUENCY BANDS, USING ORTHOGONAL LINEAR POLARIZATION. EACH TRANSMITTING TERMINAL CONSISTS OF A 98-FOOT ANTENNA, WHILE THE RECEIVE-ONLY TERMINALS, WHICH ARE PLACED NEAR THE VARIOUS CATV 'HEAD-ENDS,' WILL UTILIZE A 35-FOOT NON-TRACKING ANTENNA. THIS APPLICATION INITIALLY REQUESTS AUTHORIZATION TO ESTABLISH AND OPERATE THE TWO MAIN TRANSMIT-RECEIVE TERMINALS AND SEVEN RECEIVE-ONLY STATIONS. 'THE KEY REQUIREMENT OF THE SYSTEM. . . IS TO PROVIDE A RECEIVE-ONLY EARTH TERMINAL WHICH IS WITHIN THE ECONOMIC REACH OF EVEN SMALL CABLE TELEVISION SYSTEMS OPERATORS. THIS REQUIREMENT DETERMINES MANY ASPECTS OF SYSTEM DESIGN.' THE SYSTEM IS DESIGNED TO SERVE THE PUBLIC INTEREST BY PROVIDING A NEW OPPORTUNITY FOR CREATING MULTIPLE PROGRAM DIVERSITY IN AMERICAN TELEVISION. THE APPLICANT WILL ALSO PROVIDE ONE FREE CHANNEL TO PBS. FULL SERVICE WILL BEGIN 24 MONTHS AFTER THE FCC'S APPROVAL. INCLUDED IS THE AGREEMENT BETWEEN HUGHES AND GT+E FOR THE LEASING OF EIGHT BACK-UP TRANSPONDERS. LC

8560C WESTERN UNION CORPORATION 8560C
 SATELLITE COMMUNICATIONS. FCC-DOCKET-16495. AMENDED MARCH 15, 1971
 NEW YORK, WESTERN UNION, MARCH 15, 1971. BROCHURE
 // DOMESTIC-US
 THIS IS A SUMMARY OF WESTERN UNION'S DOMESTIC SATELLITE PROPOSAL SUBMITTED TO THE FCC ON JULY 30, 1970, WITH FOOTNOTES INDICATING THE AMENDMENTS AS OF MARCH 15, 1971. SEE 8562 AND 8561-6 LC

8561C WESTERN UNION TELEGRAPH COMPANY 8561C
 WESTERN-UNION AMENDMENT ADDS SATELLITE FACILITIES - COMPANY URGES NO MONOPOLY IN DOMESTIC FIELD
 WESTERN UNION NEWS, MARCH 15, 1971
 // MONOPOLY HAWAII MAILGRAM
 THIS NEWSLETTER STATES WESTERN UNION'S BELIEF THAT A DOMESTIC SATELLITE MONOPOLY . . . WOULD BE DETRIMENTAL TO THE PUBLIC INTEREST AND CONTRARY TO NATIONAL POLICY.' THE LETTER ALSO OUTLINES WESTERN UNION'S AMENDMENT TO ITS PROPOSED SATELLITE SYSTEM WHICH CALLS FOR ADDITIONAL NETWORK SERVICES, AN HAWAIIAN TRANSMIT/RECEIVE EARTH STATION, AND EXPANDED USE OF MAILGRAM SERVICE. SEE 8562. LC

8562C WESTERN UNION TELEGRAPH COMPANY 8562C
 PROPOSAL BY THE WESTERN-UNION TELEGRAPH COMPANY FOR A DOMESTIC COMMUNICATIONS SATELLITE SYSTEM
 NEW YORK, WESTERN UNION, JULY 1970
 *WESTERN UNION PROPOSES TO EXPAND ITS COMMUNICATIONS NETWORK BY THE ESTABLISHMENT AND OPERATION OF A MULTI-PURPOSE DOMESTIC SATELLITE COMMUNICATIONS SYSTEM CONSISTING INITIALLY OF SIX EARTH STATIONS (NEAR THE CITIES OF NEW YORK, ATLANTA, CHICAGO, DALLAS, PORTLAND, AND LOS ANGELES), THREE GEOSTATIONARY SATELLITE SPACE STATIONS. . . , TELEMETRY, TRACKING, COMMAND AND CONTROL EQUIPMENT, APPROPRIATE TERRESTRIAL LINKS TO WESTERN UNION'S EXISTING COMMUNICATIONS NETWORK, A TELEVISION OPERATING CENTER AND OTHER FACILITIES.' THE SYSTEM WILL PROVIDE BOTH MESSAGE AND VIDEO TRANSMISSION CAPABILITY TO THE 48 CONTIGUOUS STATES WITH ADDITIONAL LIMITED CAPACITY TO ALASKA AND HAWAII, USING THE 12 TRANSPONDER TYPE SATELLITES. INITIAL OPERATION OF THE SYSTEM WOULD BEGIN 24 MONTHS AFTER THE FCC'S APPROVAL. THE SYSTEM WOULD PROVIDE . . . TEN (10) CHANNELS OF VIDEO DISTRIBUTION CAPABILITY FOR NETWORK, CATV, ETV, OR OTHER AUTHORIZED USERS, TO PROVIDE TRANSMISSION OF THEIR PROGRAMS FROM A POINT OF ORIGIN IN OR NEAR NEW YORK OR LOS ANGELES, TO THE NEARBY EARTH STATION, TO A SATELLITE FOR RE-TRANSMISSION TO ANY SUITABLY EQUIPPED RECEIVING STATION WITHIN THE FIFTY (50) STATES.' THE ESTIMATED RATE FOR THIS SERVICE WOULD BE APPROXIMATELY 1.26 MILLION DOLLARS PER YEAR PER CHANNEL. THIS 10 CHANNEL ALLOCATION WOULD OCCUPY APPROXIMATELY ONE HALF OF THE SYSTEM'S TOTAL OPERATIONAL CAPACITY. THE EARTH STATION ANTENNAS TO BE USED ARE OF 45' AND 32' PARABOLIC DISH VARIETY. THE TOTAL SYSTEM COST IS ESTIMATED AT 97.5 MILLION DOLLARS WITH AN ANNUAL OPERATION COST OF 15 MILLION DOLLARS. LC

8563C WESTERN UNION TELEGRAPH COMPANY 8563C
 AMENDMENT TO PROPOSAL AND APPLICATION BY THE WESTERN-UNION TELEGRAPH COMPANY FOR A DOMESTIC COMMUNICATIONS SATELLITE SYSTEM
 NEW YORK, WESTERN UNION, MARCH 12, 1971
 // HAWAII MAILGRAM
 SEE 8562 AND 8560-65. LC

8564C WESTERN UNION TELEGRAPH COMPANY 8564C
 APPLICATION BY THE WESTERN-UNION TELEGRAPH COMPANY FOR AUTHORITY TO CONSTRUCT AND OPERATE RECEIVE-ONLY DOMESTIC SATELLITE EARTH-STATIONS ON THE WEST COAST
 NEW YORK, WESTERN UNION, FEB 25, 1971
 SEE 8562 AND 8560-65. LC

8565C WESTERN UNION TELEGRAPH COMPANY 8565C
 APPLICATION BY THE WESTERN-UNION TELEGRAPH COMPANY FOR AUTHORITY TO CONSTRUCT AND OPERATE A DOMESTIC SATELLITE EARTH-STATION IN HAWAII
 NEW YORK, WESTERN UNION, FEB 25, 1971
 SEE 8562 AND 8560-66. LC

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8566C WESTERN UNION TELEGRAPH COMPANY 8566C
 (AMENDMENT TO ORIGINAL PROPOSAL)
 NEW YORK, WESTERN UNION, NOV 25, 1970
 SEE 8562 AND 8560-65. LC

8570C GRAVEL, MIKE 8570C
 A BILL TO AMEND THE COMMUNICATIONS-SATELLITE-ACT OF 1962, AND FOR OTHER PURPOSES
 WASHINGTON: GPO, 1971. (92D CONGRESS, 1ST SESSION, S.702)
 // COMSAT
 IF ENACTED, THIS BILL WOULD AMEND THE COMMUNICATIONS SATELLITE ACT OF 1962, CHANGING THE LAST THREE SENTENCES OF SECTION 303(A) TO READ, 'TWELVE MEMBERS OF THE BOARD SHALL BE ELECTED ANNUALLY BY THE STOCKHOLDERS OF THE CORPORATION. THE ARTICLES OF INCORPORATION TO BE FILED BY THE INCORPORATORS DESIGNATED UNDER SECTION 302 SHALL PROVIDE FOR CUMULATIVE VOTING UNDER SECTION 27(D) OF THE DISTRICT OF COLUMBIA BUSINESS CORPORATION ACT (D.C. CODE, SEC. 29-911 (D)).' THE BILL WOULD ALSO AMEND SECTION 304(B) TO READ, 'EFFECTIVE AFTER JANUARY 1, 1973, NO COMMUNICATIONS COMMON CARRIER SHALL OWN SHARES OF STOCK IN THE CORPORATION. . .' IF PASSED, THE BILL WILL BECOME EFFECTIVE WITH THE FIRST ELECTION OF DIRECTORS OF THE CORPORATION HELD AFTER JAN. 1, 1972. FK

8571C GRAVEL, MIKE 8571C
 AN AMERICAN SATELLITE COMMUNICATIONS SYSTEM
 CONGRESSIONAL RECORD 115,172, OCT 22, 1969. ADDRESS PRESENTED AT THE EDUCOM CONFERENCE, SOUTH BEND, IND., OCT 13, 1969
 // COMSAT EDUCATION REMOTE-DIAGNOSIS ALASKA DOMESTIC-US
 IN THIS SPEECH PRESENTED TO THE INTERUNIVERSITY COMMUNICATIONS COUNCIL (REPRINTED IN THE CONGRESSIONAL RECORD), SENATOR MIKE GRAVEL EXPRESSES THE URGENT NEED FOR A DOMESTIC COMMUNICATIONS SATELLITE SYSTEM. SUCH A SYSTEM WOULD PARTICULARLY AID SPARSELY POPULATED AREAS SUCH AS ALASKA WHICH ARE CURRENTLY IN A 'COMMUNICATIONS STONE AGE.' ALASKA COULD, IN FACT, BECOME THE SHOWPLACE OF AMERICA, DEMONSTRATING HOW SATELLITES CAN AID EDUCATIONAL CURRICULUM, COMMERCIAL TELEVISION, EDUCATIONAL TELEVISION, MEDICAL DIAGNOSIS AND TELEPHONE SERVICE. UNFORTUNATELY, THE UTILIZATION OF COMMUNICATIONS TECHNOLOGY FOR A DOMESTIC SYSTEM HAS LAGGED FAR BEHIND ITS POTENTIAL, LARGELY BECAUSE OF TWO INHERENT CHARACTERISTICS OF COMSAT. FIRST, COMSAT'S BOARD OF DIRECTORS INCLUDES REPRESENTATIVES OF COMMON CARRIERS WHO HAVE OPPOSED A DOMESTIC SATELLITE SYSTEM BECAUSE IT WOULD HARM THEIR INTERESTS. SECOND, COMSAT MANAGES INTELSAT, AND COMSAT HAS BEEN CONCENTRATING MORE ON ESTABLISHING SATELLITE SYSTEMS IN FOREIGN COUNTRIES THAN IN THE U.S. GRAVEL CONCLUDES THAT A CLEAR DESIGNATION OF RESPONSIBILITY FOR A DOMESTIC SATELLITE SYSTEM MUST BE GIVEN TO COMSAT OR A NEW ENTITY, THE TOTAL COMMUNICATIONS SPECTRUM MUST BE UTILIZED, AND AN ORDERLY TRANSITION PLAN MUST BE ESTABLISHED. FK

8590C CONFERENCE ON THE ROLE OF INTERNATIONAL ORGANIZATIONS IN SATELLITE COMMUNICATIONS, CAPE FERRAT, OCT 16-19, 1970 8590C
 PLANNING FOR A PLANET, AN INTERNATIONAL DISCUSSION ON THE STRUCTURE OF SATELLITE COMMUNICATIONS
 NEW YORK, CARNEGIE ENDOWMENT FOR INTERNATIONAL PEACE AND TWENTIETH CENTURY FUND, 1971. 27P
 // ITU INTELSAT UNESCO PROGRAMMING WARC ORBITAL-SLOTS INTERSPUTNIK SYMPHONIE
 GLOBAL-SYSTEMS INDIA DIRECT-BROADCASTING
 THE REPORT OF THE CAPE FERRAT CONFERENCE OF OCTOBER 1970 PRESENTS A CONCISE LOOK AT THE ART OF SATELLITE TELECOMMUNICATIONS AND SIGNIFICANT RELATED PROBLEMS. AFTER PRESENTING THE BACKGROUND OF THE ITU, INTELSAT, AND THE LIMITATIONS OF THE GEOSTATIONARY ORBIT, THE REPORT COVERS A DISCUSSION BY CONFERENCE PARTICIPANTS OF THE FOLLOWING SUBJECTS, INTELSAT, INTERSPUTNIK, THE INDIAN EXPERIMENT, VARIOUS COMMUNICATION SATELLITE SYSTEMS, ORBITAL SLOTS, THE ITU AND HOW IT SHOULD BE CHANGED, DIRECT BROADCASTING, AND BASIC PROBLEMS OF PROGRAMMING IN INTERNATIONAL COMMUNICATIONS. WHILE MUCH CONCERN WAS EXPRESSED OVER THE STRUCTURE OF INTELSAT AND COMSAT'S ROLE IN THAT ORGANIZATION, THE CHORUS OF DISCONTENT SUBSIDED IN RECOGNITION OF THE INCONVERTIBLE FACT THAT INTELSAT WORKS. THE CONFERENCE RECOMMENDED THAT THE 1971 WARC REJECT ANY ALLOCATION OF ORBITAL SLOTS TO INDIVIDUAL NATIONS BEFORE THE NEED ACTUALLY ARISES. REGARDING CHANGES IN THE ITU, THE TASK FORCE RECOMMENDED A TRANSFORMATION OF THAT ORGANIZATION INTO A POLITICAL INSTRUMENT. AS THE CONFERENCE CONSIDERED THE POSSIBILITY OF A GLOBAL SYSTEM OF COMMUNICATION, THE POINT WAS RECOGNIZED THAT THE EMPHASIS ON SATELLITE TECHNOLOGY DISTRACTED ATTENTION FROM THE PROBLEMS OF PROGRAMMING. THE NEED WAS EXPRESSED FOR IMAGINATIVE PROGRAMS WORTHY OF THE NEW TECHNOLOGY. CONFERENCE PARTICIPANTS GENERALLY EXPRESSED CONCERN FOR HUMANITY IN DISCUSSING COMMUNICATION SATELLITE DEVELOPMENT. LC

8591C SMITH, DELBERT D. 8591C
 INTERNATIONAL TELECOMMUNICATION CONTROL
 LEYDEN, A.W. SIJTHOLF, 1969. ~ 231P
 // ITU INTELSAT HARMFUL-EFFECTS PIRACY DIRECT-BROADCASTING
 'THE CONTROL OF INTERNATIONAL TELECOMMUNICATION IN ITS MANY FORMS - INCLUDING DIRECT BROADCASTING FROM SATELLITES IN A GLOBAL TELECOMMUNICATION SYSTEM, UNAUTHORIZED TRANSMISSIONS FROM THE HIGH SEAS, AIRSPACE OVER THE HIGH SEAS, OR OUTER SPACE, AND GOVERNMENTAL EXTERNAL BROADCASTING SERVICES - WILL CONTINUE TO INCREASE IN IMPORTANCE IN DIRECT PROPORTION TO TECHNOLOGICAL INNOVATION AND WILL NECESSITATE THE DEVELOPMENT AND APPLICATION OF NEW CONCEPTS OF INTERNATIONAL LAW. TECHNOLOGICAL ADVANCES IN INTERNATIONAL TELECOMMUNICATION HAVE CREATED A NEED FOR THE IDENTIFICATION OF MAJOR LEGAL PROBLEM AREAS AND THEIR CLASSIFICATION WITHIN A BASIC RESEARCH DESIGN.' THE AUTHOR OFFERS '... A FUNCTIONAL APPROACH TO THE LAW PERTAINING TO INTERNATIONAL TELECOMMUNICATION CONTROL THROUGH CONSIDERATION OF THE CONTEXTUAL FRAMEWORK SURROUNDING THE APPLICATION OF THE TECHNOLOGY UNDER VARYING CIRCUMSTANCES.' 'THROUGH AN EXAMINATION OF THE RELEVANT GENERAL PRINCIPLES OF INTERNATIONAL LAW, THE ACTIVITIES OF THE INTERNATIONAL TELECOMMUNICATION UNION AND OTHER ORGANIZATIONS, UNAUTHORIZED INTERNATIONAL TELECOMMUNICATION AND THE APPLICABLE CONTROL THEORIES AND LEGISLATION, REGIONAL BROADCASTING GROUPINGS AND NATIONAL POLICY ALTERNATIVES, AND THE PROBLEMS CREATED BY SATELLITE TELECOMMUNICATION, THIS BOOK CONSIDERS THE ELEMENTS AND STRESSES OF THE ORDERING PROCESS IN TERMS OF THE GOALS OF WORLD ORDER AND STABILITY. PROPOSALS ARE MADE WHICH EMPHASIZE A 'HARMFUL EFFECTS' DOCTRINE AND THE DESIRABILITY OF AN INTERNATIONAL BROADCASTING COMMISSION WHICH WOULD UTILIZE DETERMINATIVE CRITERIA FOR THE EVALUATION OF INTERNATIONAL TRANSMISSIONS.' THROUGH THIS INQUIRY '... IT IS HOPED THAT LEGAL ANALYSIS WILL GAIN IN PERSPECTIVE AND THAT THE RESULTANT INTERNATIONAL LAW RULES WILL EVIDENCE A MORE COMPREHENSIVE STRUCTURE.' LC

8592C

SMITH, DELBERT D.

8592C

INTERNATIONAL TELECOMMUNICATION AND SATELLITES, PROBLEMS CREATED THROUGH THE USE OF SATELLITES AS A MEANS OF TRANSMISSION FOR INTERNATIONAL BROADCASTING

PAGES 142-84 IN HIS. INTERNATIONAL TELECOMMUNICATION CONTROL. LEYDEN, A.W. SIJTHOFF, 1969

// ITU INTELSAT PIRACY MILITARY-USE

THE AUTHOR EXAMINES "... THE IMPLICATIONS OF THE UTILIZATION OF SATELLITES AS A MEANS OF TELECOMMUNICATION TRANSMISSION ON SEVERAL LEVELS OF ANALYSIS. INTRODUCTORY MATERIAL ON THE DEVELOPMENT OF COMMUNICATIONS SATELLITE TECHNOLOGY STRESSES THE NEED FOR INTERNATIONAL ORGANIZATION AND COOPERATION TO OVERSEE THE LAUNCHING AND MAINTENANCE OF A GLOBAL COMMUNICATIONS SYSTEM, AND INDICATES THE PRESSURES FOR THE IMPLEMENTATION OF CONTROL MEASURES OVER TRANSMISSIONS ORIGINATING IN OUTER SPACE. THE ORGANIZATIONAL STRUCTURE DEVELOPED WITH REGARD TO COMMERCIAL SATELLITE ACTIVITIES IS EXAMINED WITH EMPHASIS ON THE AGREEMENT ESTABLISHING INTERIM ARRANGEMENTS FOR A GLOBAL COMMUNICATIONS SATELLITE SYSTEM (INTELSAT), AND ON THE PROBLEM AREAS TO BE CONSIDERED IN DEVELOPING DEFINITIVE ARRANGEMENTS FOR THE ORDERING OF A GLOBAL SYSTEM." "SUPERIMPOSED ON THIS STRUCTURE ARE THE REGULATORY PROCESSES OF THE ITU WHICH ARE CONCERNED WITH THE TECHNICAL AND ADMINISTRATIVE ORDERING OF OUTER SPACE TELECOMMUNICATION THROUGH THE DEVELOPMENT OF AN EXPANDED GENERAL COMPETENCE IN DEALING WITH OUTER SPACE MATTERS, THE REVISION OF SECTIONS OF REGULATORY PROVISIONS PERTAINING TO TELECOMMUNICATION IN OUTER SPACE, AND THE RESOLUTION OF SPECIFIC PROBLEMS IN SPACE TELECOMMUNICATION SUCH AS THE REGULATION OF THE ACTIVITIES OF MILITARY COMMUNICATIONS SATELLITES." IN CONCLUSION, CONSIDERATION IS GIVEN TO "... THE APPLICATION OF CONTROL THEORIES TO UNAUTHORIZED TELECOMMUNICATION ORIGINATING FROM ARTIFICIAL SATELLITES." THE AUTHOR FEELS THAT IN ORDER TO PROVIDE "... THE OPTIMUM MEASURE OF EFFECTIVE CONTROL OVER SATELLITE TELECOMMUNICATION IT WILL BE NECESSARY TO CONSIDER THE RE-ORGANIZATION OF INTELSAT AND THE EXPANSION OF THE COMPETENCE OF THE ITU. ..." LC

8593C

SMITH, DELBERT D.

8593C

EDUCATIONAL SATELLITE DEVELOPMENT, PROBLEMS AND PROSPECTS

PAPER TO BE PRESENTED AT LE COLLOQUE INTERNATIONAL SUR 'LES SATELLITES D'EDUCATION,' NICE, FRANCE, MAY 3-7, 1971. 25P

// EDSAT CONSORTIUM 2500MHZ PIRACY OWNERSHIP CHICAGO-CONVENTION TREATY-1967 TOKYO-CONVENTION

'IF SATELLITE TECHNOLOGY IS TO FULFILL ITS PROMISE, ITS DEVELOPMENT MUST BE GUIDED BY CAREFULLY DEFINED HUMANISTIC PURPOSES AND PRIORITIES. THERE IS THE DANGER THAT IN THE ALLOCATION OF SATELLITE BROADCAST FREQUENCIES AND SYSTEM DESIGN STRONG PRESSURES WILL BE EXERTED TO FORCE THE PREMATURE ESTABLISHMENT OF GUIDELINES AND OPERATING PROCEDURES WHICH WOULD MILITATE AGAINST THE SUBSEQUENT EFFECTIVE USE OF SATELLITES FOR EDUCATIONAL PURPOSES.' IN VIEW OF THE NEED TO DEVELOP AND FOSTER EDUCATIONAL USES OF SATELLITE TECHNOLOGY, THE EDSAT CENTER WAS ESTABLISHED AT THE UNIVERSITY OF WISCONSIN. THE AUTHOR DESCRIBES THE PURPOSE AND GOALS OF THIS MULTI-DISCIPLINARY FACILITY. RESEARCH IS PRESENTLY NEEDED INTO SPECIFIC EDUCATIONAL FREQUENCY ALLOCATIONS. THERE IS ALSO A NEED FOR AN INTERNATIONAL CONSORTIUM OF ORGANIZATIONS INVOLVED IN EDUCATIONAL SATELLITE RESEARCH. AS SATELLITE TECHNOLOGY DEVELOPS, THE LEGAL QUESTIONS TO BE DEALT WITH ARE THOSE OF REGULATION AND LIABILITY. THERE WILL BE QUESTIONS ARISING AS TO THE CONTROL OVER A PARTICULAR SATELLITE WHATEVER ITS PURPOSE. IN DISCUSSING QUESTIONS OF SATELLITE TELECOMMUNICATION CONTROL, THE AUTHOR EXAMINES THE OUTER SPACE TREATY OF 1967, THE TOKYO CONVENTION, AND THE CHICAGO CONVENTION. "... THERE IS A NEED TO CONSIDER THE ALTERNATIVES AND TO ATTEMPT TO FORMULATE RULES AND REGULATIONS THAT WILL NOT STIFLE THE GROWTH OF SATELLITE TECHNOLOGY, BUT WHICH WILL RATHER CHANNEL IT INTO PRODUCTIVE DIRECTIONS WHICH WILL TAKE ADVANTAGE OF VARIOUS ORGANIZATIONAL FORMS AND WHICH WILL APPORTION FAIRLY LIABILITY FOR DAMAGE CAUSED BY SATELLITE ACTIVITIES.' LC

8594C

U.S. CONGRESS. HOUSE. COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE

8594C

COMSAT BOARD OF DIRECTORS

HEARING BEFORE THE COMMITTEE ON INTERSTATE AND FOREIGN COMMERCE, HOUSE OF REPRESENTATIVES, 91ST CONGRESS, 1ST SESSION ON BILLS TO AMEND THE COMMUNICATIONS SATELLITE ACT OF 1962 WITH RESPECT TO THE ELECTION OF THE BOARD OF DIRECTORS OF THE COMMUNICATIONS SATELLITE CORP., FEB 18, 1969. SERIAL NO. 91-2. WASHINGTON, GPO, 1969. 14P

// PUBLIC-SERVICE COMMON-CARRIER

'BASICALLY, H.R. 4214 WOULD AMEND SECTION 303(A) OF THE COMMUNICATIONS SATELLITE ACT OF 1962 TO PROVIDE THAT THE NUMBER OF FUTURE DIRECTORS OF COMSAT ELECTED BY COMMON CARRIER STOCKHOLDERS WILL BE REDUCED AS CARRIER OWNERSHIP OF VOTING CAPITAL STOCK FALLS BELOW 50 PER CENT AND WILL BE BASED ON THE AGGREGATE COMSAT VOTING CAPITAL STOCK OWNED BY SUCH CARRIERS. IN (SIC) THUS ATTEMPTS TO CREATE A MORE EQUITABLE VOTING FORMULA FOR THE ELECTION OF DIRECTORS AS BETWEEN PRIVATE AND COMMON CARRIER STOCKHOLDERS. IN ADDITION, THE BILL CONTAINS A PROVISION EXPLAINING THE PROCEDURE AND VOTE NECESSARY TO AMEND THE ARTICLES OF INCORPORATION. SECTION 1 OF THE BILL ALSO SEEKS AUTHORITY TO CHANGE THE CORPORATION'S EXISTING BY-LAWS TO ENABLE IT TO CONDUCT ITS BUSINESS, IN THE EVENT OF A NATIONAL EMERGENCY, WITHOUT A QUORUM OF DIRECTORS PRESENT.' STATEMENTS ARE THEN PRESENTED BY JAMES A. MCCORMACK, CHAIRMAN OF COMSAT, JAMES D. O'CONNELL, DIRECTOR OF TELECOMMUNICATIONS MANAGEMENT, AND KENNETH A. COX, FCC COMMISSIONER. THEIR BRIEF STATEMENTS ARE ALL IN FAVOR OF THE PROPOSED LEGISLATION. ENACTMENT WOULD ENSURE THAT THE PUBLIC'S INTERESTS WOULD BE PROPORTIONATELY REPRESENTED ON THE COMSAT BOARD OF DIRECTORS. LC

8599A

COCCA, ALDO ARMANDO

8599A

HACIA LA COORDINACION DE SISTEMAS DE TELECOMUNICACIONES POR SATELITES (TOWARDS THE COORDINATION OF TELECOMMUNICATION SYSTEMS BY SATELLITES)

REVISTA CIENCIAS AEROSPAZIALES NOS. 3,4, AND 5, P84FF, 1967/68/69. IN SPANISH

THIS PAPER WAS ADDRESSED ESPECIALLY TO ELECTRICAL AND ELECTRONICS ENGINEERS AT THE SPACE TELECONTROL AND TELECOMMUNICATION SYMPOSIUM, MEXICO, NOVEMBER 1968. THE AUTHOR WARNS AGAINST HASTILY ESTABLISHING LEGAL REGULATIONS IN SPACE, AS ESSENTIAL INTERESTS AND MORAL VALUES ARE INVOLVED. AUTHOR'S ABSTRACT EDITED BY KS

RECID INDEX

- 8600A COCCA, ALDO ARMANDO 8600A
- HACIA UNA RESPUESTA A LAS PROBLEMAS LEGALES PLANTEADOS POR LAS TELECOMUNICACIONES MEDIANTE SATELITES (TOWARDS AN ANSWER TO THE LEGAL PROBLEMS ARISING FROM TELECOMMUNICATIONS BY SATELLITES)
- PAPER SUBMITTED TO THE 15TH INTERNATIONAL CONGRESS OF TRANSPORTS AND COMMUNICATIONS, GENOA, OCT 1968
- THIS PAPER, UNDER THE TITLE, 'TOWARDS AN ANSWER TO THE LEGAL PROBLEMS ARISING FROM TELECOMMUNICATIONS BY SATELLITES,' WAS SUBMITTED TO THE XV INTERNATIONAL CONGRESS OF TRANSPORTS AND COMMUNICATIONS, GENOA, OCTOBER 1968. PROFESSOR COCCA THINKS THAT THERE IS NO REASON FOR MEN NOT TO SOLVE THE LEGAL PROBLEMS IF THE TECHNICAL ONES ARE BEING SUCCESSFULLY SURMOUNTED. AUTHOR'S ABSTRACT EDITED BY KS
- 8613A COCCA, ALDO ARMANDO 8613A
- LOS SATELITES ANTE EL DERECHO PUBLICO Y PRIVADO, SOBERANIA DE LAS NACIONES Y DERECHOS DE TERCEROS EN LA SUPERFICIE (SATELLITES WITH RESPECT TO PUBLIC AND PRIVATE LAW - NATIONAL SOVEREIGNTY AND RIGHTS OF THIRD PARTIES ON EARTH)
- REVISTA BRASILEIRA DE DIREITO AERONAUTICO E DO ESPACO 12,19, P133FF, JAN-JUNE 1966
- // ESPIONAGE
- IN THIS WORK, PROFESSOR COCCA TRIES TO FIND A POINT OF CONCILIATION BETWEEN THE NEED FOR NATIONAL SOVEREIGNTY AND THE ACTIVITIES MADE POSSIBLE BY SATELLITES. AMONG OTHER POINTS HE CONCLUDES THAT THERE IS NO FORESEEN PUNISHMENT FOR SO-CALLED ESPIONAGE FROM OUTER SPACE AND THAT THE ORBITAL TRAJECTORY OF A SATELLITE DOES NOT BREAK ANY CONVENTIONAL OR CUSTOMARY RULE. AUTHOR'S ABSTRACT EDITED BY KS
- 8616A COCCA, ALDO ARMANDO 8616A
- REGIMEN LEGAL DE LAS COMUNICACIONES ESPACIALES - NECESIDAD DE REGULAR LA ACTIVIDAD LICITA Y DE REPRIMER LAS ACCIONES ILLICITAS EN EL EMPLEO DE SATELITES DE COMUNICACIONES (LEGAL REGIME OF SPACE COMMUNICATIONS - THE NECESSITY TO REGULATE LAWFUL ACTIVITY AND TO RESTRAIN ILLICIT ACTIONS IN THE EMPLOYMENT OF COMMUNICATIONS SATELLITES)
- CORDOBA, 1966
- // PIRACY INTELSAT-1964
- THIS BOOKLET CONTAINS THE FIRST OF A SERIES OF LECTURES SPONSORED BY THE PROVINCE OF CORDOBA BAR IN ARGENTINA. THE PROBLEM OF WAVE PIRACY AND THE 1964 INTELSAT WASHINGTON AGREEMENT ARE CONSIDERED. AUTHOR'S ABSTRACT EDITED BY KS
- 8621A COCCA, ALDO ARMANDO 8621A
- EL DERECHO DE AUTOR Y DE ARTISTAS INTERPRETES OR EJECUTANTES EN LAS COMUNICACIONES ESPACIALES (THE RIGHTS OF AUTHORS AND ARTISTS, INTERPRETORS OR PARTICIPANTS IN SPACE COMMUNICATIONS)
- REVISTA DE CIENCIAS AERODASIALES 1 AND 2, P62FF, 1966. PAPER PRESENTED AT THE 2ND MEETING OF JURIDICAL HISPANOAMERICAN STUDIES, MADRID, MAY 1962. PRINTED IN SPANISH
- // COPYRIGHT
- IN THIS PAPER, THE AUTHOR STUDIES THE PROBLEM OF COPYRIGHT FACING THE COSMIC EXPANSION OF CULTURE. THIS WORK WAS SUBMITTED AT THE 2ND MEETING OF JURIDICAL HISPANOAMERICAN STUDIES, MADRID, MAY 1966. THE AUTHOR THINKS THAT SPACE LAW IN ITS COSMIC EXPANSION IS A LAW OF MANKIND AND CONSEQUENTLY GLOBAL COMMUNICATIONS BY SATELLITE MAY EFFICIENTLY CONTRIBUTE TO IMPROVE THE PROCESS OF HARMONY AND LEGISLATIVE UNITY IN THE FIELD OF COPYRIGHT. AUTHOR'S ABSTRACT
- 8622A COCCA, ALDO ARMANDO 8622A
- DERECHO ESPACIAL PARA LA GRAN AUDIENCIA (SPACE LAW FOR THE LARGE AUDIENCE)
- BUENOS AIRES, ASOCIACION ARGENTINA DE CIENCIAS AERODASIALES, 1970. 126P. IN SPANISH
- // DIRECT-BROADCASTING
- THE AUTHOR HAS COMPILED 33 RADIO BROADCASTING INTERVIEWS THAT HE CONDUCTED FROM THE VERY BEGINNING OF THE SPACE ERA - OCT. 1957 TO MAY 22, 1970. MANY OF THE INTERVIEWS WERE PRESENTED IN ORDER TO DISSEMINATE INFORMATION ABOUT SPACE LAW BY MEANS OF MASS COMMUNICATION. THE AUTHOR HAS DEVOTED SEVERAL ENTIRE INTERVIEWS TO SPACE COMMUNICATIONS, E.G., 'LEGAL STATUS OF SATELLITES,' MAY 26, 1965, 'CULTURAL EXCHANGE IN SPACE COMMUNICATIONS,' RADIO UNESCO, PARIS, DEC. 10, 1965, AND 'DIRECT BROADCAST BY SATELLITES,' FROM U.N. RADIO, NEW YORK, MAY 22, 1970. AUTHOR'S ABSTRACT EDITED BY NB
- 8623A COCCA, ALDO ARMANDO 8623A
- CONSOLIDACION DEL DERECHO ESPACIAL - CONTRIBUCION DEL PENSAMIENTO ARGENTINO A LA CODIFICACION DEL ESPACIO (CONSOLIDATION OF SPACE REGULATION - A CONTRIBUTION FROM ARGENTINE THOUGHT TO CODIFICATION OF SPACE)
- BUENOS AIRES, EDITORIAL ASTREA, 1971. 400P. IN SPANISH
- // TREATY-1967
- THIS BOOK CONTAINS AN INTRODUCTION AND IN-DEPTH ANALYSIS OF THE OUTER SPACE TREATY OF 1967 AND A COMPILATION OF THE AUTHOR'S EARLIER ARTICLES WHICH REPRESENT HIS THOUGHTS ON THE ORDERING OF SPACE. MUCH OF HIS DOCTRINE HAS BEEN EMBODIED IN INTERNATIONAL INSTRUMENTS OF SPACE LAW. OF THE ARTICLES COMPILED IN THIS BOOK, 21 CONTAIN THOSE BASIC IDEAS OF THE AUTHOR WHICH APPEAR IN THE OUTER SPACE TREATY, 10 TITLES RELATE TO SATELLITE TELECOMMUNICATIONS, FOUR ARE REPORTS OF THE COLLOQUIA ON THE LAW OF OUTER SPACE, SEVERAL INCLUDE HIS WORK SUBMITTED TO UNESCO IN 1965 AND PUBLISHED IN UNESCO'S 'COMMUNICATION IN THE SPACE AGE,' PARIS, 1968, AND SEVERAL ARE ADDRESSES BEFORE THE INTERNATIONAL ASTRONAUTICAL CONGRESS BEGINNING WITH THE INSBROK CONGRESS OF 1954. APPENDICES INCLUDE THE TEXT OF THE OUTER SPACE TREATY OF 1967 AND THE AGREEMENT ON RESCUE OF ASTRONAUTS AND RETURN OF SPACE OBJECTS OF 1968. AUTHOR'S ABSTRACT EDITED BY KS

RECID INDEX

- 8625A COCCA, ALDO ARMANDO 8625A
 PRIORIDADES LEGALES EN TELECOMUNICACIONES POR SATELITE (LEGAL PRIORITIES IN SATELLITE COMMUNICATIONS)
 BOLETIN DE LA FACULTAD DE DERECHO Y CIENCIAS SOCIALES, UNIVERSIDAD NACIONAL DE CORDOBA, AÑO XXXII, 4,5, P299FF, OCT/DEC 1968. IN SPANISH
 // PUBLIC-SERVICE
 THIS IS THE SPANISH VERSION OF THE PAPERS SUBMITTED AT THE SYMPOSIUM ON THE SOCIAL PROBLEMS OF SATELLITE COMMUNICATIONS, RUSCHLIKON-AURICH, JUNE, 1968, ENTITLED 'LEGAL PRIORITIES IN SATELLITE COMMUNICATION.' IN THIS PAPER THE SUBJECT IS ANALYSED FROM TWO PRINCIPAL POINTS OF VIEW, THE DEFINITION OF SPACE PUBLIC SERVICE AND THE QUESTION OF INTERNATIONAL REGULATION. AUTHCR'S ABSTRACT EDITED BY NB
- 8626C GESTON, MARK S. 8626C
 DIRECT-BROADCASTING FROM SATELLITE, THE CASE FOR REGULATION
 NEW YORK UNIVERSITY JOURNAL OF INTERNATIONAL LAW AND POLITICS 3,1, P72-93, SPRING 1970
 // ITU JAMMING INTELSAT COMSAT UN
 DIRECT BROADCASTING FROM SATELLITES, WHICH WILL BE TECHNICALLY FEASIBLE BY 1975, WILL REQUIRE AN INNOVATIVE REGULATORY FRAMEWORK IN ORDER TO FULFILL ITS POTENTIAL AND AVOID ABUSE. FOR SOME YEARS THE ITU, UNESCO, AND THE U.N. HAVE ACKNOWLEDGED THE FEASIBILITY OF DIRECT BROADCASTING, BUT THESE GROUPS HAVE DEVISED NO SOLID REGULATORY PLANS, EVEN THOUGH THE 'PENCIL BEAM' TRANSMISSIONS OF INTELSAT IV HAVE BROUGHT DIRECT BROADCASTING CLOSE TO BEING A REALITY. DIRECT BROADCASTING (REQUIRING ONLY A SIMPLE ANTENNA ON A RECEIVER) VIA A SINGLE GLOBAL SATELLITE SYSTEM HAS MUCH ECONOMIC APPEAL, ESPECIALLY FOR THOSE DEVELOPING NATIONS WHICH DO NOT HAVE TERRESTRIAL COMMUNICATIONS SYSTEMS. THE NEED FOR REGULATION EXISTS BECAUSE FREQUENCIES ARE SCARCE, SPACE SLOTS ARE LIMITED, DUPLICATE SYSTEMS WOULD BE WASTEFUL, AND THE JAMMING OF DIRECT BROADCASTS TO ONE STATE WITHOUT AFFECTING TRANSMISSIONS TO OTHER STATES IS EXTREMELY DIFFICULT. THE ITU OR THE U.N. COULD REGULATE DIRECT BROADCASTING, BUT REGULATION BY INTELSAT, WHICH HAS EFFECTIVE INTERIM ARRANGEMENTS, SEEMS FAR MORE APPROPRIATE. ALTHOUGH CERTAIN ASPECTS OF U.S. HEGEMONY ARE BOTH INEVITABLE AND DESIRABLE, COMSAT'S DOMINANT ROLE OVER INTELSAT IS INTELSAT'S MAIN FLAW. THE AUTHOR PROPOSES ALLOWING COMSAT TO DEVELOP A DOMESTIC AMERICAN SATELLITE SYSTEM IN ORDER TO REDUCE ITS INFLUENCE OVER INTELSAT'S GLOBAL SYSTEM. FK
- 8627C BUSAK, JAN 8627C
 SOME LEGAL ASPECTS OF SATELLITE COMMUNICATION
 TELECOMMUNICATION JOURNAL 31,10, P276-80, OCT 1964
 // UN ITU TARIFF
 THE AUTHCR FEELS THAT '...IT IS BOTH POSSIBLE AND ESSENTIAL TO APPLY ALL THE INTERNATIONAL AGREEMENTS APPLICABLE TO CLASSICAL TERRESTRIAL COMMUNICATIONS ALSO TO THE NEW SATELLITE COMMUNICATION SYSTEMS.' HE SUGGESTS THAT THE EXAMPLES TO BE FOLLOWED IN THE ESTABLISHMENT AND OPERATION OF SATELLITE COMMUNICATION SYSTEMS SHOULD BE 1) THE GENERAL PRINCIPLES OF INTERNATIONAL LAW 2) THE PROVISIONS OF RESOLUTIONS NOS. 1721/XVI, 1802/XVII, AND 1963/XVIII BY THE U.N. PLENARY ASSEMBLY AND 3) THE ACTS OF THE ITU. HE DISCUSSES THE SIMILARITIES AND DIFFERENCES BETWEEN SUBMARINE CABLES AND SATELLITES, ORGANIZATIONS AUTHORIZED TO ESTABLISH AND OPERATE SATELLITE SYSTEMS, THE NEED FOR INTERNATIONAL COOPERATION, THE PROBLEM OF TARIFFS, AND THE NEED FOR SATELLITE PROTECTION. THE AUTHOR CONCLUDES THAT ALTHOUGH THE ABOVE MENTIONED ACTS AND PRINCIPLES ARE APPLICABLE TO SATELLITE COMMUNICATIONS, THEY MUST BE '...COMPLETED AND AMENDED TO ADJUST THEM TO TECHNICAL PROGRESS AND TO THE REQUIREMENTS OF THE NEW SATELLITE COMMUNICATION SYSTEMS.' LC
- 8628C 8628C
 RESOLUTIONS ADOPTED BY THE GENERAL CONFERENCE OF UNESCO CONCERNING THE PROGRAMME OF THE COPYRIGHT DIVISION FOR 1969-70
 COPYRIGHT BULLETIN 3,1, P27-8, 1969
 // BIRPI
 INCLUDED IN THIS ARTICLE ARE REPRODUCTIONS OF RESOLUTIONS 5.121, 5.122, AND 5.123 OF THE UNESCO GENERAL CONFERENCE. THE FIRST TWO RESOLUTIONS DEAL WITH THE NEEDS OF COPYRIGHT PROTECTION AND THE DEVELOPING COUNTRIES, AND RESOLUTION 5.123 DEALS WITH SATELLITE COMMUNICATIONS. THIS LATTER RESOLUTION INSTRUCTS THE DIRECTOR-GENERAL TO CONSIDER (IN COLLABORATION WITH BIRPI) WHETHER THE PROTECTION OF TELEVISION SIGNALS TRANSMITTED BY COMMUNICATIONS SATELLITES REQUIRES MODIFICATION IN EXISTING CONVENTIONS, OR WHETHER ENTIRELY NEW INTERNATIONAL AGREEMENTS ARE NEEDED. IF NEW AGREEMENTS ARE NECESSARY, THE DIRECTOR-GENERAL IS INSTRUCTED TO CONVENE AN INTERNATIONAL CONFERENCE IN 1971 FOR THE ADOPTION OF AN APPROPRIATE INTERNATIONAL CONVENTION.
 HB

8630C

8630C

DRAFT AGREEMENT ON THE ESTABLISHMENT OF AN INTERNATIONAL COMMUNICATIONS SYSTEM USING ARTIFICIAL EARTH SATELLITES

TELECOMMUNICATIONS JOURNAL 35,10, P508-11, MAY 1968

// INTERSPUTNIK

PUBLISHED IN THIS ISSUE OF TELECOMMUNICATION JOURNAL IS THE TEXT OF A DRAFT AGREEMENT TO ESTABLISH THE INTERSPUTNIK SYSTEM. ON THE BASIS OF THE PROVISIONS OF U.N. RESOLUTION 1721(XVI) AND THE OUTER SPACE TREATY OF 1967, THE STATES PARTIES WOULD AGREE TO 20 ARTICLES. LISTED HERE BY NUMBER, THE ARTICLES COVER 1) THE ESTABLISHMENT OF, NAME OF, AND HEADQUARTERS FOR INTERSPUTNIK 2) MEMBERSHIP 3) SYSTEM COMPONENTS AND OWNERSHIP OF SPACE AND GROUND SEGMENTS 4) LAUNCHING 5) OPERATION, REGULATION AND LEGAL PERSONALITY 6) ORGANS OF MANAGEMENT, INCLUDING A COUNCIL AND A SECRETARIAT, 7) MEMBERSHIP, DUTIES, AND POWERS OF THE COUNCIL 8) MEMBERSHIP, DUTIES, AND POWERS OF THE SECRETARIAT 9) FINANCIAL ARRANGEMENTS 10) DISTRIBUTION OF COMMUNICATION CHANNELS 11) WITHDRAWAL FROM THE NETWORK AND REMUNERATION UPON WITHDRAWAL 12) DISSOLUTION OF INTERSPUTNIK 13) OFFICIAL NETWORK LANGUAGES 14) SIGNATURE AND RATIFICATION 15) MEANS FOR ENTRY INTO FORCE 16) NEW PARTIES TO THE AGREEMENT 17) MEANS FOR ENTRY INTO FORCE FOR NEW PARTIES 18) ENTRY INTO FORCE FOR AMENDMENTS 19) REGISTRATION OF THE AGREEMENT BY DEPOSITORY GOVERNMENTS AND 20) DEPOSITION AND SIGNATURE OF THE AGREEMENT. THE AUTHORS ARE THE ACTING PERMANENT REPRESENTATIVE OF THE PEOPLE'S REPUBLIC OF BULGARIA, THE PERMANENT REPRESENTATIVE OF CUBA, THE ACTING PERMANENT REPRESENTATIVE OF THE CZECHOSLOVAK SOCIALIST REPUBLIC, THE PERMANENT REPRESENTATIVE OF THE HUNGARIAN PEOPLE'S REPUBLIC, THE ACTING PERMANENT REPRESENTATIVE OF THE MONGOLIAN PEOPLE'S REPUBLIC, THE ACTING PERMANENT REPRESENTATIVE OF THE PEOPLE'S REPUBLIC OF POLAND, THE ACTING PERMANENT REPRESENTATIVE OF THE SOCIALIST REPUBLIC OF ROMANIA, AND THE PERMANENT REPRESENTATIVE OF THE UNION OF SOVIET SOCIALIST REPUBLICS. SEE 5807. CM

8631C

GALLCWAY, JONATHAN F.

8631C

WORLDWIDE CORPORATIONS AND INTERNATIONAL INTEGRATION, THE CASE OF INTELSAT

INTERNATIONAL ORGANIZATION 24,3, P503-19, SUMMER 1970

ACCORDING TO THE AUTHOR, INTELSAT, WHICH IS AN INTERNATIONAL CORPORATION, HAS AIDED WORLD COOPERATION AND INTERNATIONAL INTEGRATION. SIMILARLY, OTHER COMMENTATORS HAVE ALSO ACKNOWLEDGED THE IMPORTANT POLITICAL ROLE OF INTERNATIONAL CORPORATIONS, BOTH IN THE PRESENT AND HISTORICALLY. OFTEN SUCH CORPORATIONS BEGIN AS NATIONAL ENTITIES, BUT THEY SOON ESTABLISH SUBSIDIARIES IN FOREIGN COUNTRIES. MOREOVER, THE NET SALES OF SOME (E.G., GENERAL MOTORS) ARE GREATER THAN THE GROSS NATIONAL PRODUCTS OF MANY COUNTRIES, AND THE GOALS OF SUCH FIRMS CAN BE SIMILAR TO THOSE OF NATIONS. WHILE THERE ARE MANY DIFFERENT DEFINITIONS OF INTEGRATION, GALLCWAY ACCEPTS GALTUNG'S INTERPRETATION, WHICH DEFINES IT AS 'THE PROCESS WHEREBY TWO OR MORE ACTORS FORM A NEW ACTOR.' INTELSAT'S CONTRIBUTIONS TO INTERNATIONAL INTEGRATION CAN BE SHOWN BY NUMEROUS POLITICAL, ECONOMIC AND SOCIAL MEASURES. ALTHOUGH MANY COMMUNIST NATIONS PARTICIPATE IN INTERSPUTNIK RATHER THAN INTELSAT, INTELSAT MUST STILL BE CONSIDERED A GLOBAL, RATHER THAN REGIONAL, ORGANIZATION. INTELSAT, WHICH IS CURRENTLY MESHING ITS FUNCTIONS AND STRUCTURE, WILL BE GOVERNED BY NEW DEFINITIVE ARRANGEMENTS, WHICH HAVE NOT BEEN DRAWN UP YET BECAUSE OF CONFLICTS OF INTERESTS. THERE ARE INDICATIONS THAT THESE ARRANGEMENTS WILL GIVE INTELSAT ADDITIONAL SUPRANATIONAL CHARACTERISTICS. FK

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OF THE EUROPEAN SATELLITE TELECOMMUNICATION CONFERENCE (CETS))	
PAPER PRESENTED AT SOCIETE FRANCAISE D'ASTRONAUTIQUE, SYMPOSIUM SPATIAL EUROPEEN, 7TH, BORDEAUX,	
MAY 22-4, 1967. 6P. IN FRENCH	
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