Fiscal 1971 saw major actions by the Federal Communications Commission (FCC) in all areas of its jurisdiction. In broadcasting, the FCC proposed new renewal rules and policies and issued a number of significant rulings on Fairness Doctrine matters. A policy statement outlining FCC cable television plans was submitted to the Congress. In the common carrier area, the FCC acted on computer communications and specialized common carriers and received applications for domestic satellites. The FCC advanced its program to provide additional land spectrum space for land mobile communications by establishing a Spectrum Management Task Force. A new fee schedule was adopted to return to the U.S. Treasury funds equal to the Commission's operating expenses. These highlights are summarized in this booklet, which also provides facts and figures about the number of authorized stations of various kinds under the FCC's authority. (JK)
Commissioners
Members of the Federal Communications Commission as of June 30, 1971

Dean Burch, Chairman
(Term expires June 30, 1976)
Robert T. Bartley
(Term expires June 30, 1972)
Robert E. Lee
(Term expires June 30, 1974)
Nicholas Johnson
(Term expires June 30, 1973)
H. Rex Lee
(Term expires June 30, 1975)
*Robert Wells
(Term expires June 30, 1977)
*Thomas J. Houser
(Term expired June 30, 1971)

*See page 15
The Commission regulates common carrier operations, including telephone, telegraph, cable, microwave and satellite communications. It licenses and assigns operating frequencies for radiotelephone and radiotelegraph circuits, and oversees charges, practices and classifications of service for common carriers. The Commission acts on requests for mergers, considers applications for construction of facilities and changes in service, and prescribes and reviews accounting practices. The Commission licenses and regulates all forms of two-way radio, including ship and aviation communications, a wide range of public safety and business services, and amateur and citizens radio services. The FCC is responsible for domestic administration of the telecommunications provisions of treaties and international agreements. Under the auspices of the State Department, the Commission takes part in international communications conferences. The FCC supervises the Emergency Broadcast System (EBS) designed to alert and instruct the public in matters of national or civil defense. State EBS units use the system in local emergencies.

The FCC in Fiscal 1971

Fiscal 1971 saw major actions by the FCC in all areas of its jurisdiction. In broadcasting, the Commission proposed new renewal rules and policies and issued a number of significant rulings on Fairness Doctrine matters. Cable television activity was highlighted by the Commission's series of unique panel-type hearings in the Spring of 1971. In August, a policy statement outlining FCC cable plans was submitted to the Congress.

In the common carrier area, the Commission acted on computer communications and specialized common carriers, and received applications for domestic satellites. The Commission advanced its program to provide additional spectrum space for land mobile communications by establishing a Spectrum Management Task Force. A new fee schedule was adopted to return to the U.S. Treasury funds equal to the Commission's operating expenses. These are among the highlights of the Commission's actions during fiscal 1971, summarized on the following pages under specific headings.

Broadcasting

General

There were 7,948 broadcasting stations on the air and operating as of June 30, 1971. There were 4,343 AM, 2,250 FM and 461 educational FM radio stations. The number of commercial VHF stations was 512, commercial UHF 183, educational UHF 114 and educational VHF 85. The totals for commercial stations include 25 educational stations operating on AM frequencies, 15 on nonreserved FM channels, four on nonreserved UHF-TV and four on nonreserved VHF-TV channels. The television broadcasting industry reported revenues of $2.81 billion in 1970, four-tenths of one percent higher than 1969. Expenses increased five percent and profits before taxes were $454 million—down 18 percent from 1969. Radio broadcasting revenues for networks, AM, and FM stations in calendar year 1970 were $1,136.9 million—up more than 4.7 percent from 1969 but radio profits declined 7.9 percent to $92.9 million. The seven nationwide radio networks (CBS, MBS, NBC, and ABC's three AM networks and one FM network) reported losses of $5.5 million in network operation compared to losses of $6.3 million in 1969. The networks' owned-and-operated stations reported profits of $4.7 million compared to $4.2 million in 1969 and revenues in 1970 of $530.0 million, up 6.1 percent from the previous year. Total time sales of the seven major networks, their network owned-and-operated stations, and 4,189 other AM and FM stations increased nearly 4.7 percent to $1,256.8 million in 1970.

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Controversial Issues of Public Importance

The Commission announced plans for its first comprehensive review of the Fairness Doctrine since release of its 1949 Report on Editorializing by Broadcast Licensees. The Commission declined to apply Fairness Doctrine obligations to the broadcast of advertising of commercial products. It ruled, however, that commercials, which advanced the need for developing Alaskan oil reserves and denied adverse ecological effects, raised controversial issues and therefore were subject to fairness obligations.

In response to a petition from the Democratic National Committee, the Commission found that significant political parties have a right to purchase time to solicit funds but it refused to require broadcasters to sell time for discussion of public issues.

In another case, the Commission ruled that, although the networks' coverage of the Indochina war was otherwise roughly balanced, five uninterrupted prime time appearances by the President on the issues created an obligation to provide a reasonable opportunity for expression of contrasting views. When CBS granted time to the Democratic National Committee in accordance with that ruling, the Commission found that the broadcast was not responsive to issues raised in the President's addresses but was primarily "party-oriented." The FCC ruled that the Republican National Committee should therefore be given time by CBS to respond.

Political Broadcasting

The Commission instituted revocation proceedings against two radio stations for allegedly censoring the material of political candidates and failing to afford equal opportunities to candidates, in violation of Section 315. A revised edition of the public notice Use of Broadcast Facilities by Candidates for Public Office ("political primer") was issued for the guidance of licensees, candidates, and other interested parties.

A political broadcasting survey of the 1970 political campaign revealed an 85 percent increase in expenditures over the previous nonpresidential campaign year, 1966. The amount spent for the general election campaigns substantially exceeded that in the primaries, and the trend to purchase of spot announcements as opposed to program time continued.

Multiple Ownership

In February 1971, the Commission, responding to petitions for reconsideration, deleted the "one-to-a-market" rules forbidding cross-ownership of AM and FM stations in the same market. (The Commission indicated that it planned further study of AM-FM combinations.) Additional time was allowed for filing reply comments on the proposed prohibition of cross-ownership of newspapers and broadcast stations in the same market.

The Commission authorized the Broadcast Conglomerate Study Task Force to proceed with a general inquiry into ownership of broadcast stations by persons or entities with other business interests (Docket 18449) after completion of the pilot study, begun in December 1969, to explore issues raised by the ownership of broadcast stations by companies with major nonbroadcast interests. In February 1971, questionnaires, revised in light of experience with the pilot study, were sent to 31 broadcast conglomerates.

Television Broadcast Service

In the proceeding to limit TV networks' control over programming (prime time rules), the ownership and distribution rules were stayed pending judicial review. The Court of Appeals affirmed the rules in May 1970. Waivers of the "prime time access" rule (limiting network prime time programming to three hours) were granted to ABC and NBC permitting them to exceed the three-hour limit on Tuesday and Sunday nights, respectively, but network time would still average three hours per night. Arrangements were also made to have "prime time" network programming begin at 8 p.m. on five nights per week and at 7:30 p.m. on Sundays and Tuesdays, Eastern Time.

In markets with two VHF stations and one UHF station, the Commission adopted rules limiting the VHF stations to one primary network each so that the third network's programming may become available to the UHF station.
Effective July 1, 1971, an unaffiliated station in a market will have access to network programs not placed with an affiliate before programs are offered to any other network’s affiliates. The unaffiliated station, however, must have reasonably comparable facilities.

In January 1971, the Commission undertook an inquiry into children’s television programing. Four subscription television (STV) applications are now on file. Rules were proposed to change STV and CATV rules to prohibit the broadcast of live sports events presented on a regular basis over conventional TV during the preceding five-year period. Rules were adopted to insure comparability of VHF and UHF tuning, although full compliance is not scheduled until the end of fiscal 1973. Applications for UHF translators on Channels 21 through 69, originally accepted, were later restricted to Channels 55 through 69 because of interference potential on the lower channels.

Rules were changed to ease the process of applying for TV translators, and, in January 1971, changes in the TV translator rules were proposed to harmonize them with the newer FM translator rules. In December 1970, the Commission adopted a public notice for visual cues in emergencies for TV viewers with impaired hearing.

Radio Broadcast Service
The number of commercial FM stations continued to increase during the year. Authorization of new low-power class A stations outnumbered higher-power class B and class C authorizations by more than 2 to 1. An increasing number of competing applications were designated for hearing.

Educational Broadcasting
TV and radio educational broadcasting continued to expand as a result of the Public Broadcasting Act of 1967 and organization of the Corporation for Public Broadcasting early in 1969.

The number of Instructional Television Fixed Service (ITFS) stations in use by schools almost doubled. A new class of ITFS educational services was established. There were 127 ITFS systems with 371 channels operating at the end of fiscal year 1971—an increase of 21 systems and 116 channels over the previous year.

More than 80 percent of the Nation’s population is now served by educational television. All but four States have one or more stations on the air.

The total number of educational radio stations grew 58 percent in fiscal 1971. The largest number of stations were licensed to colleges and universities.

Broadcast Auxiliary Service
Auxiliary broadcast services have more than doubled between 1965 and 1971 to meet the growing demand for facilities for on-the-spot coverage of events. At the close of the year, authorizations had been granted for more than 15,000 auxiliary broadcast facilities of various types.

International Broadcast Service
Two petitions for waiver of the freeze on international broadcast stations were denied. One was for a new station and the other was to increase daily broadcast time. Both applications for facilities were retained pending resolution of international broadcast rules.

Broadcast Administration
The Commission ruled that licensees may change entertainment programing of special interest to minority groups as long as they continue to present news and public affairs programing of interest to the groups in question. In one case, a station had switched from "soul" to middle-of-the-road music, and another had switched from middle-of-the-road to "soul" music.

In a number of rulings, the Commission clarified its policy defining programs entirely commercial in content. It said that a pattern of
program length commercial, presentations would be considered to raise questions as to whether the licensee was operating in the public interest.

The Commission also warned licensees against airing sirens and other alarming sound effects in announcements.

In a public notice, the Commission reminded licensees of their responsibility to review records before broadcast.

Renewals
In fiscal 1971, some 50 petitions to deny license renewals were filed, primarily by community groups in connection with programing for minorities, or employment practices.

Rules proposed by the Commission to increase communications between licensees and the communities they served included:

- Public notification, over the station, of pending renewal for six months prior to expiration of license.
- Announcements over the air concerning FCC renewal policies and public availability of the station's renewal application. The application would be on public file for 120 days instead of the presently required 90 days.
- An annual report, filed with the FCC, listing what the licensee considers the most significant community problems and his programming dealing with them.

New forms were adopted to ascertain the licensee's affirmative actions in hiring and employment of racial minorities.

In February 1971, a new Primer on Ascertainment of Community Problems by Broadcast Applicants was adopted.

Broadcast Advertising
The Commission directed ABC and NBC to inform viewers, by means of specific announcements on quiz and audience-participation programs, when producers had accepted payment by suppliers of prizes to use in promoting their merchandise on the air.

Assignments and Transfers
One significant transaction, the $110 million purchase by Capital Cities Broadcasting Corporation from Triangle Publications, involved nine AM, FM, and TV stations. Capital Cities retained three TV stations and disposed of the six AM and FM stations to separate buyers, in part to comply with the one-to-a-market proceeding. Capital Cities also disposed of two previously-held TV stations.

Another large transfer resulted from the merger of Corinthian Broadcasting Corporation and Dun & Bradstreet, Inc.

Technical Developments
In April 1971, the Commission consolidated the proceeding to modify propagation curves with one proposing procedural changes in measuring signal strengths. (Propagation curves are used to predict signal levels and contours to determine a station's coverage area.)

In March 1971, the Commission adopted amended rules for remote control of both UHF and VHF TV broadcast stations.

The Commission proposed easing rules on operator qualifications in July 1970. In January 1971, rules on directional antennas used by standard broadcast stations were substantially revised. Work is proceeding on institution of computer studies of interference.

Rules were adopted, in September 1970, to provide for FM broadcast booster and translator stations.

International Agreements
Members of the FCC staff met with Canadian officials to explore mutual FM broadcast problems.

A second staff meeting was held with Mexican authorities to develop technical standards and tables of channel allotments along the common border area.

Amendments to the North American Regional Broadcast Agreement (NARBA) went into force in November 1970. They will remain in effect for five years unless terminated on one year's notice.

Enforcement
The Commission instituted renewal hearings on 20 applications and seven construction permits—a record number. They involved alleged rule violations, and qualifications of licensees and permittees. It also denied license renewal to eight stations in cases designated for hearing in prior years. Probationary short-term renewals were granted to ten applicants, and there were 142 forfeiture actions involving broadcast licensees. Field investigations were conducted of 52 stations.

A New York station was admonished for allowing programing purporting to give tips on winners in the illegal numbers game in New York City.

One station was given a short-term license renewal and three others cited for improper use of audience surveys.

Two licensees were given short-term renewals and others were admonished for using broadcast facilities to serve the private interests of their employees or to gain unfair competitive advantage in nondroadcast business ventures.

The number of complaints, comments, and inquiries received on broadcast matters totalled 53,563, a substantial reduction from the previous year. Complaints and inquiries based on the Fairness Doctrine and the provisions of Section 315 (equal opportunities for political candidates) increased substantially. A total of 3,666 complaints, comments and inquiries on these and related subjects was received, compared to 2,722 in fiscal 1970.

Fees
On July 1, 1970, a fee schedule was adopted by the Commission with the goal of making its activities self-sustaining. During the year, portions of the schedule pertaining to broadcasting were clarified. The Commission ruled that, in license assignments or transfers, amounts paid to consultants or for noncompetitive agreements would be regarded as part of the sale price upon which the fee is levied.

All fees for translators were abolished.
Cable Television

Cable television is the system in which TV signals are received at a central point and then amplified and redistributed by cable to subscribers' TV sets for a fee. Originally developed to bring TV signals to areas distant from TV stations, it has since spread to large cities and other localities where, because of tall buildings or for various technical reasons, signal reception is poor.

As of May 13, 1971, there were 2,573 cable television operations serving 4,000 communities and more than 5 million homes in the United States, an increase of some 2.2 million since January 1, 1968.

Beginning March 11, 1971, the Commission held oral argument on proposed rules (issued in June 1970) on the future of cable. In a departure from regular procedure, eight panels, composed of recognized spokesmen for various groups that would be affected by the rules, were heard by the entire Commission, providing "an interplay of informed viewers."

In Congressional hearings, the Commission agreed not to finalize proposed FCC rules until Congress had an opportunity to study them. Regulatory proposals for cable were submitted to Congress by the FCC on August 5, 1971, with a proposed effective date of March 1, 1972.

Among other things, the Commission proposed that local TV broadcast signals within a 35-mile radius of a cable system must be carried; and the number of TV signals to be imported would be determined by market size, with special provisions for UHF stations and educational stations. Another proposal would require cable systems in the top 100 markets to provide a nonbroadcast channel for each broadcast signal carried and a free "public access" channel, an educational channel, and a channel for State and local government use. Cable systems would be required to provide "at least minimal production facilities" for public use. Setting of technical standards to assure good reception for the public was also recommended. The Commission recognized the need for Congress to set copyright guidelines for cable systems.

April 1, 1971, was set by the Commission as the effective date for cable systems with more than 3,500 subscribers to begin originating programs. In May, however, the U.S. Court of Appeals for the Eighth Circuit held that the program-origination requirement exceeded the Commission's statutory authority. The FCC announced it would appeal this decision to the Supreme Court, meanwhile suspending the requirement for cablecasting.
In December 1970, Hughes Aircraft Company filed an application with the FCC for a domestic satellite system to further development of a cablecast network.

On August 5, 1970, the Commission approved the merger of TelePrompTer Corporation, the Nation's fourth largest cable operator, and H & B American Corporation, operator of the largest system.

Rules similar to those now applicable to broadcast and common carrier licensees, requiring nondiscrimination in employment practices, were proposed for cable systems and their relay stations.

At the beginning of the fiscal year, a fee schedule was set, requiring annual payment to the FCC of 30 cents per subscriber by cable systems.

**Common Carrier Services**

**General**

Common Carrier Services involve the provision of wire or electronic communications services for hire. They include such facilities as telephone, telegraph, facsimile, telephoto and broadcast program transmission by wire, cable, radio and satellite for public use.

The Commission regulates interstate and foreign communications of common carriers. It does not regulate purely intrastate wire services; they come under the authority of State utility commissions.

**Telephone**

At the end of calendar 1970, there were 77 telephone carriers fully subject to FCC jurisdiction, including 56 with annual revenues of $1 million or more. These 56 companies had operating revenues of $18.2 billion in 1970 and gross plant investment of $59.9 billion at the end of 1970. These companies reported 104.9 million telephones in service.

As a result of revised separations procedures adopted by the Commission on October 27, 1970, annual telephone company revenue requirements of about $130 million were transferred from Intrastate to Interstate operations.
Subsequent to this decision, Western Union filed for additional rate increases of $35 million annually, effective in July 1971.

Western Union employees went on strike June 1, 1971. The strike, which lasted until July 28 nationally, resulted in emergency discontinuance of the company's public message service.

**Domestic Common Carrier Radio Services**

More than 12,200 applications were filed for new, modified or renewed domestic common carrier radio facilities during fiscal 1971. The Commission adopted a policy of increased competition among existing and new common carriers in the sale of data transmission and other specialized communications services to the public. As of March 15, 1971, there were 33 new carrier applicants proposing facilities estimated to cost well over $500 million.

In fiscal 1971, more than 150 applications were filed requesting authority to construct and operate ground stations in the Air-Ground Radiotelephone Service.

**International Communications**

Industry revenues from overseas telecommunications (except Comsat) totalled $487 million in calendar 1970, an increase of 7 percent over 1969. Of the 1970 total, telephone carriers reported $265.7 million in revenues from overseas service and the record carriers, $221.3 million.

In the last quarter of calendar 1970, rates for telephone service between Hawaii and the mainland were reduced approximately 13 percent. This reduction was in addition to a cut of 15 percent in March 1970.

AT&T was authorized to file an application for a transatlantic cable with 3,500 circuits, to become operational in 1976.

**Communications Satellites**

The global satellite system continued to expand in fiscal 1971. As of June 30, 1971, there were 47 earth stations with 55 antennas in 34 countries.

For calendar 1970, Comsat reported operating revenues of $69.6 million, an increase of 48 percent over 1969. There were 8 applications filed during fiscal 1971 to establish and operate domestic communications satellites.

**Safety and Special**

Safety and Special Radio Services include about 50 different kinds of two-way radio communications used by industry, State and local governments, business and private groups of various kinds, and individuals. These services make up the largest group regulated by the Commission.

There were 1,745,709 stations licensed in the Safety and Special Radio Services at the end of fiscal 1971, employing 3,858,222 transmitters of various types. A total of 432,693 applications was received in these services during the fiscal year.

Standards and regulations for private land mobile operations were adopted providing for sharing of one or two of the lower seven UHF-TV channels (14-20) in the ten largest urban areas.

Rules for expanded use of remote control and digital signaling devices using low power transmitting equipment were adopted for the Business Radio Service. Rules were proposed to permit tone signals or digital techniques throughout the Public Safety, Industrial and Land Transportation Services on all land frequencies, and to permit non-voice lower power remote control devices in the 72-76 MHz band for the Railroad and Special Industrial Services.

Licensing and operating standards were adopted for use of radio call boxes and telephone-type installations for motorists, as a part of a nationwide highway safety radio communications program.

Eligibility in the Special Emergency Radio Service was expanded to include local medical societies that provide members with communications on nonprofit cost-sharing basis.
The Commission proposed uniform practices and procedures for licensing sharing arrangements for mobile station facilities in several of the services. It also proposed rules to permit sharing of private microwave systems on a reciprocal basis.

Five-year license terms were set for Safety and Special Radio Services. Single-sideband frequencies were adopted for maritime mobile service, and auxiliary power sources were required for vessels on the Great Lakes.

Waiver of eligibility requirements in the Local Government Service was granted to the Metropolitan Regional Council, Inc., a nonprofit corporation, to operate a "first of its kind" inter-governmental video communications network in the 10,000 square-mile New York, New Jersey and Connecticut area.

Subject to the needs of Safety and Special Radio operations, CATV operations in the Business Radio Service were permitted to continue on a renewal basis until February 1, 1976.

Signal boosters are now permitted for air terminal base station use in the Business Radio Service.

Rules requiring single sideband operations (SSB) in medium and high land mobile frequency bands were adopted in the Industrial Radio Service and proposed for the Public Safety Radio Service. The changeover to SSB from double sideband (DSB) will provide additional radio channels, reduce interference and conform voice emissions to those in other radio services in the same part of the spectrum.

Technical standards for computation of service areas for public coast Class III-B stations were proposed.

Field Engineering

The Field Engineering Bureau operates 24 district offices and four suboffices, two marine offices, 18 monitoring stations, three mobile TV-FM enforcement units and six microwave units in its administration and enforcement of regulations and treaties relating to radio communications. The Bureau issued a total of 38,769 infraction reports in fiscal year 1971, and detected 4,880 unlicensed stations.

Engineers at field offices conducted 15,628 inspections of radio stations in all the services. In the Broadcast Service, 2,062 inspections resulted in the issuance of 1,385 official violation notices, while 5,619 inspections in the Maritime Mobile Service produced 2,444 notices of all types.

The Bureau's monitoring network issued a total of 13,542 violation notices to licensees in the many radio services regulated by the Commission, and developed 1,128 sanction cases in connection with repeated or willful violations. The network also worked on 2,437 major cases of interference reported by licensees, commercial companies, and U. S. and foreign governments. Additionally, the monitoring network received 387 requests for assistance from ships and aircraft. In 18 instances of actual emergencies, direction finder “fixes” enabled search-and-rescue organizations to locate the distressed ships and aircraft.

During the year, 17 new transmitting structures 1,000 feet or more in height were constructed while one in previous use was dismantled for a net gain of 16. There are now 255 such structures.
Frequency Allocation and Use

To implement decisions to provide for the frequency needs of the land mobile services, rules were adopted on June 17, 1971, to allocate frequencies, on a shared basis with TV, to land mobile services in one or two of the lower seven UHF-TV channels in the ten largest urban areas of the United States (Docket 18261). Studies were continued on providing long term relief through frequencies reallocated to the land mobile services in the 900 MHz region of the spectrum (Docket 18262).

Preparatory work was completed for the World Administrative Telecommunications Policy (OTP) for delegations, and the proportion of U.S. frequency assignments, the FCC submitted 4,695 assignment notifications to the International Telecommunications Union (ITU) in support of its international program for compiling current worldwide frequency usage data. Of the more than 535 international cases of harmful interference dealt with by the Commission, 400 appear to have been resolved. As part of an international program to anticipate and avoid many cases of interference, the FCC forwarded to the countries involved over 6,300 reports of improper technical and operating practices by their radio stations.

The Commission prepared for 40 international conferences and furnished two delegation chairmen, one vice chairman, one senior advisor and 69 other representatives for delegations.

Technical, Research, and Laboratory

Organization of the Spectrum Management Task Force to develop and carry out the Commission's decentralized frequency management program has been completed, and the first Regional Center was established in Chicago on April 30, 1971.

Commission engineers participated in industry and professional association meetings and in international conferences on improvements in color TV picture quality, criteria for ship radars, radio interference control techniques, and satellite broadcasting. Industry and government meetings included a wide range of technical matters such as vehicle location systems, broadcast interference problems, and downed-aircraft beacon technical standards, cable television frequency allocations, and microwave performance standards.

A technical study of performance characteristics for radio and television receivers was completed to provide a basis for state-of-the-art performance regulations. Tentative technical standards were developed for several proposed new radio devices including field disturbance sensors, radio controls for door openers, and biomedical telemetry equipment.

New procedures and limits for measuring oscillator radiation from FM and TV broadcast receivers were established.

Members of the TV Tuning Panel provided guidance to manufacturers of television receivers to assist them in meeting new rules requiring comparable tuning facility in VHF and UHF TV receivers.

An initial propagation model was developed for use by the Commission's Spectrum Management Task Force in the computerized preparation of land mobile radio service areas. A report was published on measurements accumulated over a number of years by Commission monitoring stations, on skywave field strengths in the Standard Broadcast frequency band.

Curves have been developed defining distances at which hazardous exposure from antennas of high-powered FM and TV broadcast stations might be expected. A report on these curves and the rationale used in their development is forthcoming.

A detailed analysis was completed of the precipitation and off-path scattered interference data obtained during the 1966-67 POPSI Project. Commission personnel served as members of a steering group on the NASA OTP ITS radio interference propagation program.

Frequencies near 900 MHz were found to be useful for FM land mobile voice communications, provided the radiated power is...
services was forwarded to the Commission on June 30, 1971.
On February 4, 1971, the Industrial Communications Services Subcommittee of NIAC recommended an interim basic Industrial Communications Emergency Plan to the Commission.
On March 2, 1971, the Aeronautical Communications Services Subcommittee of NIAC recommended a Basic Aeronautical Emergency Communications System Plan to the Commission.

Legislation, Litigation and Enforcement

Legislation
The Commission testified or commented on 25 legislative matters pending before Congress this fiscal year. It proposed legislation to make it a Federal crime to assault, kill or intimidate an FCC employee performing investigative or enforcement functions, to broaden provisions for forfeitures, and to amend the Act to permit the FCC to grant licenses to aliens in the Safety and Special and Experimental Radio Services. Congress adopted a law extending financing for the Corporation for Public Broadcasting.

Litigation
The Commission participated in 162 court proceedings, 90 of which originated during the fiscal year. The Supreme Court declined to review seven cases seeking reversal of Commission actions. In the courts of appeal, the Commission was affirmed in 32 cases and reversed in 10. Of particular significance were rulings by appeals courts upholding the FCC's rule limiting prime time programing by TV networks, and the Commission's license denial to WHDH, Boston, and grant of a construction permit for the channel to another applicant. The appeals courts also ruled that the FCC lacked statutory authority to require cable systems to originate programing (the case is being appealed to the U.S. Supreme Court; and rejected the FCC's January 1970 renewal policy of granting renewal to licensees who had rendered "substantial service.
Several appeals court decisions required full hearing on certain license challenges and broadcast programing format changes. The court agreed with the Commission that Armed Forces recruiting commercials are not controversial issues entailing right of reply. The court reversed the FCC's finding that a broadcaster does not have to carry paid union responses to employer advertisements during a labor dispute.

One criminal case—involving sale of unauthorized radio frequency devices—was referred to the Department of Justice for prosecution. Two criminal cases were closed; one by conviction, the other by a plea of guilty. At year's end, six criminal cases and three civil injunction actions, all for unlicensed operation of a citizens band radio, were pending. One civil forfeiture case was referred to Justice for judicial enforcement.

Hearing Examiners
The Office of Hearing Examiners issued 2,085 orders in interlocutory matters (subject to further review) in fiscal year 1971. Formal hearings were conducted in 113 proceedings and hearing conferences were held in 203. Hearings were completed in 76 proceedings and 64 initial decisions were issued disposing of 97 applications. In a rule change designed to expedite hearings, the Commission authorized hearing examiners to act on joint requests by broadcast applicants for approval of pay-off agreements in such matters as merger, withdrawal or dropout of applicants in competitive proceedings. Authority to act on such requests had previously been vested in the Review Board. The new rules also permit appeals.
from examiners' interlocutory rulings only with the examiner's approval. Parties had been able to appeal any ruling by an examiner without prior consent.

The new rules had been proposed by the Procedure Review Committee. They apply to joint requests and appeals filed on or after November 13, 1970.

Docket Cases

Hearing Cases

There were 401 cases designated for hearing during fiscal 1971. Safety and Special Radio Services proceedings on applications and revocation of licenses accounted for 73 cases. There were 253 hearings for Broadcast facilities: 81 AM, 110 FM, 62 TV.

Hearings were held on 34 Common Carrier applications, 15 Cable Television applications and 1 FEB application as well as 25 miscellaneous cases.

At the close of the fiscal year there were 749 cases pending—413 in Broadcast matters.

Non-Docket Rule Making Petitions

Some 172 petitions for rule making were filed—109 of which were concerned with Broadcast matters (2 AM, 75 FM, 18 TV, 14 other broadcast); 3 Cable TV, 3 Common Carrier and 56 Safety and Special Radio Services, and 1 miscellaneous.

Commission

A new fee schedule was adopted, effective August 1, 1970. It was designed to produce about $24.9 million in revenue.

Commissioner Robert Wells, who had been serving the remainder of Commissioner James J. Wadsworth's term, was appointed to a full seven-year term. (Commissioner Wells resigned November 1, 1971. On November 30, President Nixon nominated General Counsel Richard E. Wiley to serve on the Commission for the remainder of Commissioner Wells' term.)

Commissioner Thomas J. Houser was appointed to a term ending June 30, 1971. He was named Spectrum Management Commissioner and chairman of the PBX Standards Advisory Committee. (Rep. Charlotte Reid, (R. Ill.) was nominated to succeed Commissioner Houser, who continued to serve until October 5, 1971, at the request of the President. Mrs. Reid was sworn in as Commissioner on October 8, 1971.)

Commissioner Kenneth A. Cox retired from the Commission at the end of August 1970.

John M. Torbet was appointed Executive Director, replacing Max D. Paglin, named Special Assistant for Administrative Procedure.

Richard E. Wiley was appointed General Counsel. He replaced Henry Geller, who was assigned to the post of Special Assistant to the Chairman for Planning.

Raymond E. Spence was designated Chief Engineer following the death of William H. Watkins.

Sol Schildhause was appointed Chief of the Cable Television Bureau.

Francis R. Walsh was named Broadcast Bureau Chief. (Assistant Chief Wallace E. Johnson took over the post in August 1971, following Mr. Walsh's resignation.)

Horace E. Slone retired as a member of the FCC Review Board.

The appropriation for the Commission for fiscal 1971 was $26,623,751. The staff averaged 1,552 employees—12 more than the previous year. Filing fees totalled $15,948,180. These funds all went to the U. S. Treasury. Applications received totalled 689,691, a decrease of 219,708 over fiscal year 1970. (The total number of applications for 1971 does not include 516 Cable TV filings.)
Highlights of Fiscal Year 1971
This summary is based on releases by the Federal Communications Commission during the fiscal year July 1, 1970 through June 30, 1971. Dates indicate when actions were announced.

1970

July 2
Comparative hearing for Channel 4, Los Angeles terminated with withdrawal of competing application. Western Union conversion of company offices into agencies to be investigated. Renewal applications for WXUR and WXUR-FM, Media, Pa., denied. New FCC fee schedule adopted.

July 15
Procedures and policies proposed for handling microwave applications for specialized common carrier services.

July 16
WCCO, WCCO-TV, Minneapolis, Minn., renewals granted without hearing. Rules adopted to license medical associations in Emergency Radio Service.

July 24
Study of impact of CATV on local television stations released.

July 28
Acquisition of Teletypewriter Exchange (TWX) Service by Western Union from AT&T authorized by Commission.

August 5
Merger of major CATV firms--Tele-Prompter Corp. and H&B American Corp.--approved by Commission.

August 6
Commission ruled that broadcasters may decline to sell time for comment on controversial public issues but may not arbitrarily refuse to sell time for solicitations of political funds.

August 7
Broadcast Conglomerate Study Task Force authorized to proceed with general inquiry after completion of pilot study. Five-year license terms set for Safety and Special Radio Services.

August 10
Equal employment opportunity rules adopted for common carriers.

August 14
Major TV networks must make prime time available for "one more uninterrupted opportunity" for reply to five presidential addresses on Vietnam, Commission ruled in response to fairness complaint; CBS required to give Republicans time to answer Democrats' Loyal Opposition program.

August 18
Revised Political Broadcast Primer issued.

August 25
First pay-TV technical system approved by Commission.

August 26
Hearing ordered on possible misrepresentations of expenses by D. H. Overmyer in sale of five TV stations.

August 28
KNBC(TV), Los Angeles, Calif., renewal granted for remainder of license term.

August 31
Commissioner Kenneth A. Cox announces retirement from Commission.

September 4
Interim operator authorized for Channel 3, Jackson, Miss.

September 11
Radio call boxes for emergency use authorized on regular basis.

September 14
Francis R. Walsh named Broadcast Bureau Chief.

September 21
Chairman Burch testifies before House Communications and Power Subcommittee on resolutions to halt production and distribution of films tending to degrade or demean racial, religious or ethnic groups.

September 25
Richard E. Wiley appointed General Counsel; Henry Geller named Special Assistant to Chairman for Planning

October 8
Common carriers required to give public actual notice of increased charges or discontinuance or reduction of services.

October 14
Rules prohibiting network TV program syndication stayed.

October 18
Revised separations procedures for determining telephone company rates adopted.

November 6
Hearing procedures revised to permit Hearing Examiners to act on requests for approval of agreements between parties.

November 13
Court of Appeals for District of Columbia Circuit affirmed Commission action granting CP for Channel 5, Boston, Mass., to Boston Broadcasters, Inc., competing applicant, and denying WHDH, Inc., renewal application.

November 18
Rules amended to implement new U.S.-Mexico AM broadcast agreement.

December 3

Commissioner Robert E. Lee testifies before House Subcommittee on Communications and Power on proposed amendment to Communications Act to permit certain aliens to be licensed to operate amateur radio stations.

December 7
Commission action approving experimental MAILGRAM Service by Western Union affirmed by U.S. Court of Appeals for District of Columbia Circuit.
December 9
Cut-off date for CATV stations in Business Radio Service band extended for five years.

December 10
AT&T fined $18,550 for failure to file tariff for services to Department of Defense.
International communications carriers asked to make studies of overseas services.
TV networks ordered to report on program distribution practices.

December 15
Broadcasters to determine whether to carry contrasting views after presentation of anti-smoking spots, Commission ruled.

December 17
TV broadcasters asked to provide program aids for viewers with impaired hearing.

December 21

1971
January 6

January 7
The U.S. Court of Appeals for the District of Columbia Circuit affirmed Commission action denying license renewal of Station WNJR, Newark, N.J.

January 15
Effective date of increase in interstate telephone rates postponed by AT&T at FCC request pending outcome of hearing; company files for reduced amount.

January 21
Study initiated by Commission into TV programs for children including advertising content and methods of presentation.

Hearing set on AT&T interstate rate increase request.

January 22
John M. Torbet named Executive Director; succeeds Max D. Paglin who was appointed Special Assistant for Administrative Procedure.

January 25
Sol Schildhause appointed Cable Television Bureau Chief.
Hearing set on employment discrimination complaint against AT&T.

February 2
Spectrum Management Task Force established by Commission.

February 9
Increases found reasonable in Western Union rate case; further increases restricted.

February 10
31 broadcast conglomerates forwarded questionnaires to provide FCC with information on their operations.

February 12
Primer issued to clarify requirements on ascertainment of community needs by broadcast applicants.

February 19
New renewal rules and policies proposed by Commission.

February 20
Broadcast stations queried on responses to erroneous emergency action notification on Emergency Broadcast System.

February 25
Transfer of nine broadcast stations from Triangle Publications Inc. to Capital Cities Broadcasting Inc. authorized by FCC; sale price $110 million.

February 26
Temporary procedures set to avoid erroneous emergency action notifications on Emergency Broadcasting System.

Western Union program to replace company offices in small and medium-sized communities with agency branches approved by Commission.

Appointments of Commissioners Robert Wells and Thomas J. Houser to Commission confirmed by Senate.

March 1
One-to-a-market rules deleted for AM-FM combinations; will apply only to VHF-radio combinations.

March 2
Chairman Burch testifies on proposed political broadcasting bills before Senate Commerce Committee.

March 5
Commission public notice cites licensee responsibility to review records before broadcast.

March 11
Oral argument on proposed CATV rules begins with series of panel discussions at National Academy of Science.

March 17
New rules adopted to permit remote control of VHF TV stations.

March 18
Rules adopted for computer communications services.
Order granting interim operating authority for Channel 3, Jackson, Miss., affirmed by U.S. Court of Appeals for District of Columbia Circuit.

March 24
Commissioners Robert Wells and Thomas J. Houser sworn in as Commission members; Commissioner Wells appointed to full term, Commissioner Houser to serve term ending June 30, 1971.
Rules adopted to require auxiliary power source on Great Lakes cargo vessels.

March 25
VHF-TV station affiliations with more than one network restricted by FCC.

April 6
Raymond E. Spence appointed Chief Engineer.
May 28
WCFV, Clifton Forge, Va., denied license renewal.
Western Union International fined $28,500 for failure to file tariff.

June 2
Western Union Telegraph Company application for emergency discontinuance of service for all public telegraph offices and agencies because of strike granted by Commission.

June 3
AT&T ordered to expedite construction of network for Corporation for Public Broadcasting; charges set at $4.9 million annually.
Guidelines announced for admission of amendments to community ascertainment filings in broadcast hearings.

June 7
Western Union authorized to file for $28 million rate increases; revised delivery standards including refund procedures required.
AT&T request for withdrawal of applications for intercity PICTUREPHONE service granted.

June 9
New class of education services established in Instructional Television Fixed Services.

June 11
Inquiry announced into effectiveness of Fairness Doctrine and related public interest policies.

June 14
Commission order denying requests for reconsideration of Policy Statement on Comparative Hearings Involving Regular Renewal Applications reversed by U.S. Court of Appeals for District of Columbia Circuit.

June 15
The U.S. Supreme Court denied a petition by Lamar Life Broadcasting Co., for stay of Commission order requiring it to halt operation of Channel 3, Jackson, Miss, and turn over facilities to interim operator.
Chairman Burch testifies on cable television before Senate Communications Subcommittee.

June 16
Chairman Burch testifies on political broadcasting bills before House Subcommittee on Communications and Power.

June 17
Rules adopted to implement sharing of UHF-TV channels 14 through 20 by land mobile radio stations.

June 18
Chairman Burch testifies before House Small Business Subcommittee on advertising industry self-regulation programs.
Political broadcasting expenditures up 85 percent in 1970, FCC reports.

June 21
Stations KWLG, Wagoner, Okla., KVIN, Vinita, Okla., denied license renewal.
U.S. Court of Appeals for District of Columbia Circuit affirmed FCC ruling denying fairness complaints on Armed Forces recruiting announcements.

June 23
Chairman Burch testifies on FCC budget requirements before Senate Appropriations Committee.

June 24
New Atlantic cable with 3,500 circuits called for by Commission; AT&T proposal for 845-circuit cable dismissed.

June 25
Rules adopted for use of single sideband frequencies in maritime mobile service on Great Lakes.
### Authorized Stations—
#### June 30, 1971

**Safety and Special Radio Services**

<table>
<thead>
<tr>
<th>Group</th>
<th>Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aircraft Group</td>
<td>131,410</td>
</tr>
<tr>
<td>Aeronautical and Fixed Group</td>
<td>6,269</td>
</tr>
<tr>
<td>Aviation Auxiliary Group</td>
<td>945</td>
</tr>
<tr>
<td>Aviation Radionavigation Land</td>
<td>1,319</td>
</tr>
<tr>
<td>Civil Air Patrol</td>
<td>18,385</td>
</tr>
<tr>
<td><strong>Total Aviation Services</strong></td>
<td>158,328</td>
</tr>
<tr>
<td>Ship Group</td>
<td>213,300</td>
</tr>
<tr>
<td>Coastal Group</td>
<td>2,632</td>
</tr>
<tr>
<td>Marine Auxiliary Group</td>
<td>139</td>
</tr>
<tr>
<td>Marine Radar Land</td>
<td>84</td>
</tr>
<tr>
<td>Alaskan Group</td>
<td>2,372</td>
</tr>
<tr>
<td><strong>Total Marine Services</strong></td>
<td>218,527</td>
</tr>
<tr>
<td>Police</td>
<td>17,543</td>
</tr>
<tr>
<td>Fire</td>
<td>10,129</td>
</tr>
<tr>
<td>Local Government</td>
<td>12,048</td>
</tr>
<tr>
<td>Highway Maintenance</td>
<td>6,197</td>
</tr>
<tr>
<td>Forestry Conservation</td>
<td>4,903</td>
</tr>
<tr>
<td>Special Emergency</td>
<td>6,900</td>
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<tr>
<td>State Guard</td>
<td>6</td>
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<tr>
<td><strong>Total Public Safety Services</strong></td>
<td>57,726</td>
</tr>
<tr>
<td>Special Industrial</td>
<td>26,957</td>
</tr>
<tr>
<td>Business</td>
<td>82,662</td>
</tr>
<tr>
<td>Power</td>
<td>13,634</td>
</tr>
<tr>
<td>Petroleum</td>
<td>8,305</td>
</tr>
<tr>
<td>Manufacturers</td>
<td>3,187</td>
</tr>
<tr>
<td>Forest Products</td>
<td>3,143</td>
</tr>
<tr>
<td>Industrial Radiolocation</td>
<td>455</td>
</tr>
<tr>
<td>Motion Picture</td>
<td>52</td>
</tr>
<tr>
<td>Relay Press</td>
<td>268</td>
</tr>
<tr>
<td>Telephone Maintenance</td>
<td>1,483</td>
</tr>
<tr>
<td><strong>Total Industrial Services</strong></td>
<td>140,146</td>
</tr>
</tbody>
</table>

**Railroad** 6,751 **Taxicab** 3,540 **Automobile Emergency** 2,324 **Interurban Passenger** (Motor Carrier) 91 **Interurban Property** (Motor Carrier) 2,000 **Urban Passenger** (Motor Carrier) 134 **Urban Property** (Motor Carrier) 2,011 **Total Land Transportation Services** 16,851 **Citizens—Class A** 4,908 **Citizens—Classes B, C and D** 863,105 **Total Citizens Services** 868,013 **Amateur** 277,743 **R.A.C.E.S.** 8,188 **Disaster** 187 **Total Amateur and Disaster Services** 286,118 **Total Safety and Special Radio Services** 1,745,709 **Common Carrier Services**

<table>
<thead>
<tr>
<th>Service</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Point-to-Point Microwave</td>
<td>6,482</td>
</tr>
<tr>
<td>Local TV Transmission</td>
<td>57</td>
</tr>
<tr>
<td>Rural Radio</td>
<td>798</td>
</tr>
<tr>
<td>Developmental</td>
<td>173</td>
</tr>
<tr>
<td>Domestic Public Land</td>
<td>9,318</td>
</tr>
<tr>
<td>Mobile</td>
<td></td>
</tr>
<tr>
<td>Point-to-Point Telegraph</td>
<td></td>
</tr>
<tr>
<td>Telephone (International)</td>
<td>8</td>
</tr>
<tr>
<td>Point-to-Point Telegraph (International)</td>
<td>9</td>
</tr>
</tbody>
</table>

**Point-to-Point Telephone (International)** 7 **International Control-fixed Satellite Communication:** Earth 13 **Satellite** 15 **Total Common Carrier Services** 16,887

**Broadcast Services**

<table>
<thead>
<tr>
<th>Service</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard (AM)</td>
<td>4,396</td>
</tr>
<tr>
<td>Frequency Modulation (FM)</td>
<td>2,368</td>
</tr>
<tr>
<td>Educational (FM)</td>
<td>520</td>
</tr>
<tr>
<td>UHF Commercial TV</td>
<td>269</td>
</tr>
<tr>
<td>VHF Commercial TV</td>
<td>527</td>
</tr>
<tr>
<td>UHF Educational TV</td>
<td>127</td>
</tr>
<tr>
<td>VHF Educational TV</td>
<td>9</td>
</tr>
<tr>
<td>Translator (TV) (UHF-VHF)</td>
<td>2,772</td>
</tr>
<tr>
<td>UHF Signal Booster</td>
<td>9</td>
</tr>
<tr>
<td>Experimental (TV)</td>
<td>6</td>
</tr>
<tr>
<td>Auxiliary (TV)</td>
<td>2,526</td>
</tr>
<tr>
<td>International</td>
<td>3</td>
</tr>
<tr>
<td>Developmental</td>
<td>4</td>
</tr>
<tr>
<td>Remote Pickup</td>
<td>12,250</td>
</tr>
<tr>
<td>Aural, STL and Intercity Relay</td>
<td>509</td>
</tr>
<tr>
<td>Low Power</td>
<td>187</td>
</tr>
<tr>
<td>Instructional TV Fixed</td>
<td>175</td>
</tr>
<tr>
<td><strong>Total Broadcast Services</strong></td>
<td>26,738</td>
</tr>
</tbody>
</table>

**Research and Developmental** 1,068 **Community Antenna Relay** 120

*This is the first year in which station data were available from machine records.*