

Irac

OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON

May 27, 1971

Tom -

To correct an erroneous impression I may have created at this morning's staff meeting, the DOC FY72 budget in support of spectrum management is \$1.85 M (\$1 M for IRAC Secretariat, \$.5 M for EMC analysis, and \$.35 M for OEP Computer). This is in accordance with OTP guidance.

Recommend any exchange with DOC take above into account.

Will
Will

cc: GFM
WH

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY

WASHINGTON, D.C. 20504

Irac
DIRECTOR

May 17, 1971

MEMORANDUM FOR

Members and Staff of the Interdepartment Radio
Advisory Committee (IRAC)

I have just completed reviewing the U.S. position papers prepared by the IRAC in concert with Federal Communications Commission and industry representatives for use by the U.S. Delegation at the World Administrative Radio Conference for Space Telecommunications being convened in Geneva, Switzerland next month.

As the official U.S. Delegation now takes over to conduct the actual negotiations, I want to express my appreciation to all who have labored so long and expertly over the past three years to complete the preparatory work. Extraordinary professional competence on the part of all who participated is easily recognized in the documents that you have compiled.

The task of drafting, editing, reproducing, and distributing proposals and position papers throughout the various stages of the preparatory work must at times have been formidable. Particular appreciation is expressed to all those in the IRAC Secretariat who coped with this prodigious volume of work.

The preparatory work just completed for the WARC-ST has been a challenge which the Committee, because of the high professional calibre of its membership, met in a superb manner. I am pleased to have such an able body to call upon for support in the frequency management area.



Clay T. Whitehead

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON, D.C. 20504

Joac

Date: March 25, 1971

Subject: Frequency Authorization for the Embassy of USSR

To: Mr. Clay T. Whitehead

The letter to Mr. Goodman will authorize the temporary use of frequency 5856 kHz by the Embassy of USSR.

Authority to negotiate a reciprocity agreement was granted on March 11, 1969.

I recommend approval.

W. Dean, Jr.

W. Dean, Jr.
Director
Frequency Management

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON, D.C. 20504

DIRECTOR

April 1, 1971

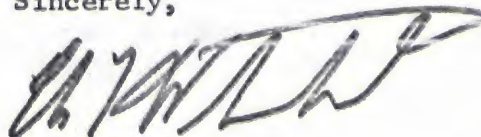
Mr. William H. Goodman
Deputy Assistant Secretary
for Communications
Department of State
Washington, D. C. 20520

Dear Mr. Goodman:

I am enclosing an original and two copies of frequency authorization for the radio station which has been authorized for the embassy in Washington of the Union of Soviet Socialist Republics.

We understand the terms and conditions of this authorization will be incorporated in an appropriate form of agreement for consummation with the government involved.

Sincerely,

A handwritten signature in dark ink, appearing to read "C. T. Whitehead", written in a cursive style.

Clay T. Whitehead

Enclosure

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
Washington, D. C. 20504

RADIO STATION AUTHORIZATION

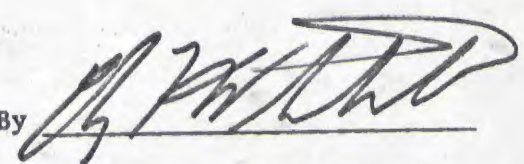
Government of the Union of
TO: Soviet Socialist Republics
NUMBER I7105605
FREQUENCY 5856.0 kHz
CALL SIGN KNY 31
CLASS OF STATION FIXED (FX)
TRANSMITTER LOCATION Embassy of the USSR, Washington, D. C.
38° 53' North 77° 05' West
POINTS OF COMMUNICATION Moscow, USSR
55° 46' North 37° 39' East
EMISSION BANDWIDTH AND TYPE 0.1A1 and 0.85F1
MEAN ANTENNA POWER 1 kW
ANTENNA Sloping "V" (SLV)
HOURS OF OPERATION 24 hours

CONDITIONS:

This authorization is for a temporary period ending February 1972.

This operation is subject to adjustment, including termination, in the event of harmful interference to other authorized operations having the right to protection.

By



Clay T. Whitehead
Director

Date

April 1, 1971

Office of Telecommunications Policy
Route Slip

22 MAR 1971

To

~~Glenn T. Whitehead~~

~~George F. Mansur~~

Antonin Scalia

~~Wilfrid Dean~~

~~Steve Doyle~~

~~Walt Macmillan~~

Charles Joyce

William Lyons

Eva Daughtrey

Timmie White

Judy Morton

REMARKS



Irac
U.S. DEPARTMENT OF COMMERCE
Office of Telecommunications
Washington, D.C. 20230

March 17, 1971

Dr. Clay T. Whitehead
Director
Office of Telecommunications Policy
Executive Office of the President
Washington, D. C. 20504

Dear Dr. Whitehead:

Your letter of March 5 to Secretary Stans, commending the consistently superior performance of Mr. Chester R. Kirkevold, as well as the remainder of the IRAC Secretariat, has been brought to my attention.

We are, of course, very pleased to acquire such a competent group to continue the important work in support of effective radio frequency management. Staff of the IRAC Secretariat maintained close supervision at all stages of the move of its equipment and records on Saturday, March 6. On the following Monday, this staff resumed its tasks in its new quarters with no apparent disruption in workflow.

A copy of your letter is being forwarded to the Director of Personnel, Department of Commerce, for inclusion in Mr. Kirkevold's official personnel file. Also enclosed for your information is a copy of a memorandum which is being circulated to the remainder of the IRAC Secretariat.

Sincerely yours,

Armig G. Kandoian
Armig G. Kandoian

Enclosure





U.S. DEPARTMENT OF COMMERCE
Office of Telecommunications
Washington, D.C. 20230

March 17, 1971

MEMORANDUM

To: All Staff of the IRAC Secretariat

From: Armig G. Kandoian *AK*

By letter of March 5, the Director of Telecommunications Policy conveyed through Secretary Stans his wish for "good luck" to Mr. Kirkevold and all the Secretariat personnel as they leave OTP to join our Office of Telecommunications staff. In doing so, he commented as follows:

"Since becoming Director of Telecommunications Policy, I have had the opportunity to observe regularly the outstanding work of Mr. Kirkevold, as well as the remainder of the IRAC Secretariat. They have coped in an outstanding manner with a heavy daily workload, critical to effective radio frequency management. I feel that the Department is fortunate to be taking aboard these fine personnel and have no doubt that you will find their work to be of an exceptionally high calibre."

I am, of course, very pleased to acquire such a competent group to continue the important work in support of effective radio frequency management. Further, I have noted that IRAC Secretariat staff maintained close supervision at all stages of the move of its equipment and records on Saturday, March 6, so that it could resume work on the following Monday, with no apparent disruption in workflow. This tells me a good deal regarding the competence and dedication of the staff.

→ CC: Dr. Whitehead

RECEIVED

RECEIVED
MAR 5 1961

151



Mr. Whitehead
IRAC

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON, D.C. 20504

December 28, 1970

Dr. John P. Hagen
Department of Astronomy
Pennsylvania State University
102 Whitmore Laboratory
University Park, Pennsylvania 16802

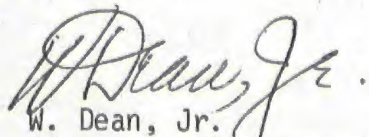
Dear Dr. Hagen:

This is in reply to your letter of July 30, 1970 concerning tropo-
spheric scatter systems.

At my request the Interdepartment Radio Advisory Committee (IRAC),
meeting in coordination with the FCC Liaison Representative, has
studied the question and recommendation contained in your letter.
The observations and conclusions of their review, with which I agree,
are attached.

I will be in further contact with you upon completion of the action
referred to in Item L.

Sincerely,



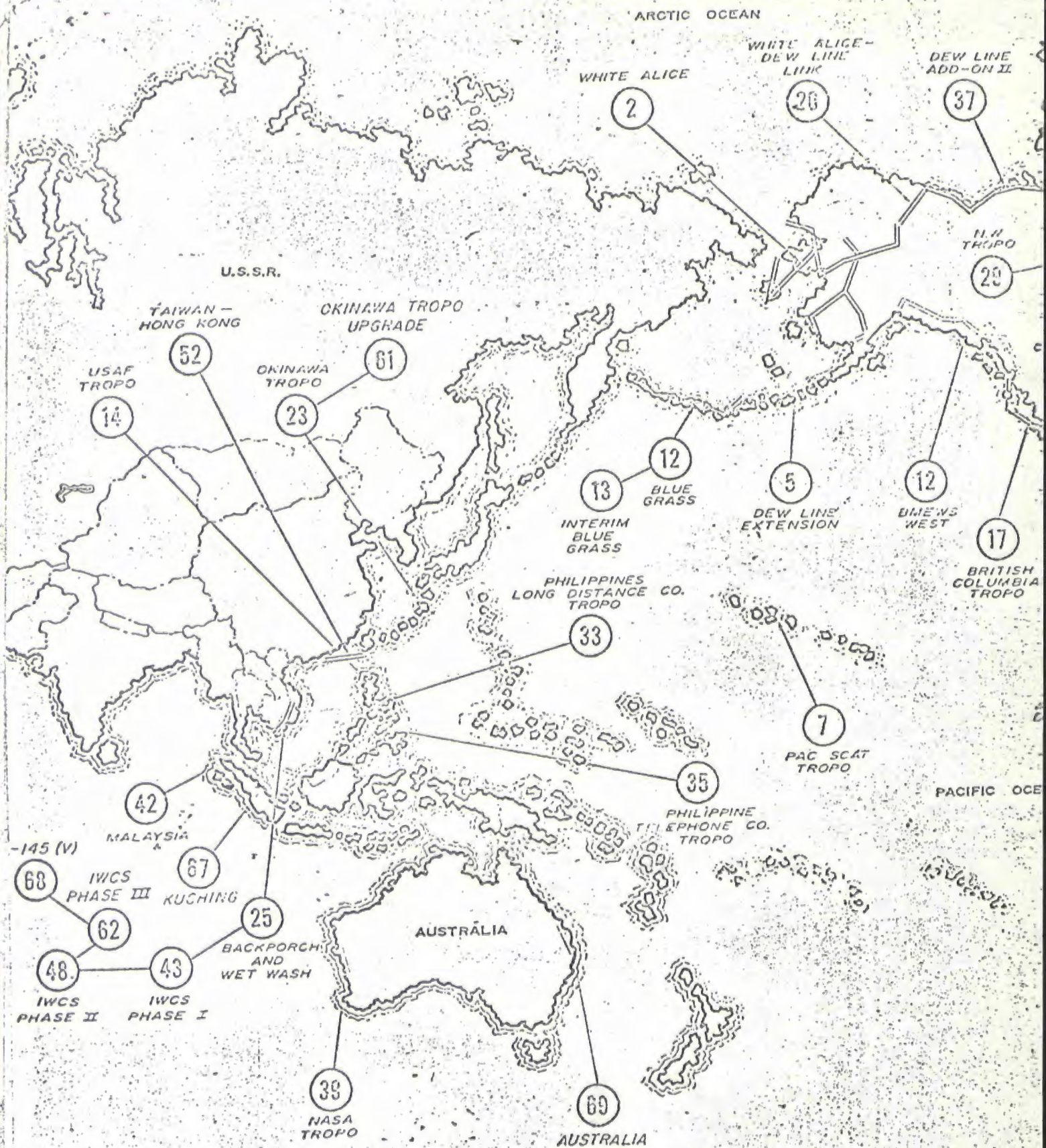
W. Dean, Jr.
Director, Frequency Management

Attachment:

OBSERVATIONS AND CONCLUSIONS CONCERNING THE PROPOSAL
TO DISCOURAGE THE USE OF SCATTER SYSTEMS FOR COMMUNICATIONS

- A. Tropo-scatter occupies its own niche in the array of various types of communications systems. Under certain conditions its employment and future use is indispensable.
- B. Tropo-scatter provides a high-grade multichannel service over distances between 70 and 900 miles in a single span, reducing substantially the number of terminals required over that of a line-of-sight system.
- C. Tropo-scatter offers communications of high reliability on a year round basis comparable with that of line-of-sight circuits.
- D. Tropo-scatter can be utilized on over-water paths, and in rugged or otherwise inhospitable terrain where it is impracticable or impossible to provide other means of communications.
- E. Although limited reliable (anti-jam) communication via satellite is available, the degree of reliability obtained is dependent upon the ability of the satellite system to overcome destructive interference, or capture, which cannot compare with the reliability achievable in a tropo-scatter system.
- F. Tropo-scatter systems are a major segment in air defense communications links outside the contiguous U.S., with the DEW Line stretching from the Aleutian Islands to Great Britain. NATO communications are tied together by the ACE HIGH network throughout Europe. There are many other defense circuits such as White Alice in Alaska and IWCS in Vietnam as well as commercial installations throughout the free-world. A map is attached indicating those tropo-scatter systems equipped by one U.S. supplier of equipment representing approximately 4,000,000 channel miles of capacity.
- G. The difficulty of arranging a practical means of sharing between space communications and tropo-scatter systems is recognized, particularly when worst case conditions are considered. However, the likelihood of such conditions being unavoidable in specific system installations is considered extremely remote. For example, two satellite command and control systems and tropo-scatter systems are sharing the 1700-2400 MHz band on a world-wide basis at the present time with no known or identified interference to or from either system.
- H. The problem of sharing between a Geostationary Meteorological Satellite System and tropo-scatter is treated in draft report Doc. USSG IV/W-1141, and draft recommendation Doc. USSG IV/W-1145 recommends that the e.i.r.p. of the tropo-scatter transmission in the direction of the geostationary orbit should not exceed that of line-of-sight radio relay systems as specified in Recommendation 406-2.

- I. Tropo-scatter systems are presently operating in the 345-470 MHz, 530-985 MHz, 1700-2400 MHz, 2500-2700 MHz and 4400-5000 MHz bands. Within these bands, certain portions are presently allocated nationally for space radiocommunications purposes, i.e., 399.9-402 MHz, 1700-1850 MHz and 1990-2300 MHz.
- J. Discussions with our European Allies indicated that many have plans for major tropo-scatter installations and/or expansion of existing facilities. The U. S. military have similar plans, and have recently completed procurement of a number of portable tropo-scatter terminals to be used in tactical situations. Extensive training is being carried on with this equipment in the U. S.
- K. As regards the future, it is foreseen that the bulk of wide-band communications satellite systems and other wide-band space techniques, such as the Earth Sciences Satellites, must be normally satisfied above 10 GHz. This tends to alleviate the problem somewhat since tropo mode is employed only below 10 GHz.
- L. The feasibility of discouraging tropo-scatter in certain bands below 10 GHz which are not currently used for tropo-scatter is under further study at the National level. This study should be treated with care and confined nationally, because it is possible that undue opposition to tropo-scatter could result in a backlash from European countries to the extent that they might oppose U. S. proposed space sharing in bands currently utilized by tropo-scatter systems.
- M. In light of the foregoing, it is concluded that tropo-scatter systems meet a very real and vital communications requirement, and that the United States should not at this time propose to discourage the use of tropo-scatter systems for communications.
- N. Nevertheless, for future system development, the designers of both space and tropo-scatter systems should take into account the parameters of the other system when it is necessary to utilize common bands for both systems.



THE PENNSYLVANIA STATE UNIVERSITY

102 WHITMORE LABORATORY
UNIVERSITY PARK, PENNSYLVANIA 16802

College of Science
Department of Astronomy

July 30, 1970

Office of Telecommunications Management
Executive Office of the President
Washington, D. C. 20504

Attention: Mr. William Plummer
Mr. Wilfred Dean, Jr.

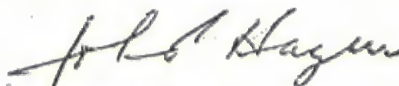
Dear Mr. Plummer and Mr. Dean:

In conducting studies within the CCIR of the possibilities of sharing spectrum space in preparation for the forthcoming space conference, the matter of communication via scatter systems has been discussed. Due to the nature of this means of communication it is virtually impossible to arrange a practical means of sharing.

The question arises as to why the use of scatter systems should be continued now that secure communication via satellite is available.

It is recommended that the Office of Telecommunications Management assess the situation with the intent that the United States propose that the use of scatter systems for communications be discouraged.

Sincerely,



John P. Hagen

IRAC

December 23, 1970

DOC FY 72 Budget

W. Hinchman

1. Confirming our earlier discussion, it is my understanding that the OT mark, received on December 16, was in the amount of \$4.4 million, \$2.2 million below the amount requested. It is further understood that the cut-back results in no budgetary support for the IRAC Secretariat except for the payment of salaries, i.e., no printing, no ADP support, etc... This was brought about by the fact that the DOC lumped all other expenses under "Other Objects." This development is unfortunate and hopefully is not indicative of things to come.
2. As you know, the IRAC Secretariat is vital to the day to day frequency management function within the Federal Government and budgetary support should be presented in such a manner as to be one of the first items accommodated rather than the first to be deleted.
3. It is understood that reclama action has been initiated for the deleted \$2.2 million. We have furnished additional information, and are prepared to continue to do so, to justify the Secretariat budget.
4. Would appreciate any help you can give in ensuring that the IRAC Secretariat function does not get the crumbs in the DOC budget.

(s)

W. Dean, Jr.

cc: Mr. Whitehead ✓
Dr. Mansur
Mr. Frank Urbany

Office of Telecommunications Policy
Route Slip

11 DEC 1970

To

Clay T. Whitehead ✓

George F. Mansur

William Plummer

Wilfrid Dean

~~Steve Doyle~~ ✓

Walt Hinchman

Charles Joyce

William Lyons

Eva Daughtrey

Timmie White

Judy Morton

REMARKS

Will's not too happy with
McCadden's IRAC draft!

*attached earlier
drafts (scratch
marks are
Will Dean's.
Please
ignore)*

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON, D.C. 20504

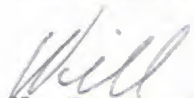
IRAC

Date: December 10, 1970

Subject: Terms of Reference for IRAC

To: Mr. C. T. Whitehead

In response to your memo of December 3, 1970, the drafts attached thereto have been reviewed. In the case of ERMAC I have a couple of minor suggestions, however in the case of IRAC I submit that a redo is necessary. The enclosure is forwarded to meet this need.


W. Dean, Jr.

Enclosure

This notice authorizes the continuance and sets forth the responsibilities of the Interdepartment Radio Advisory Committee (IRAC) pursuant to Executive Order No. 11556 of September 4, 1970.

The IRAC will be chaired by the Director of Frequency Management, Office of Telecommunications Policy. Membership of the IRAC shall consist of one representative appointed by each of the following departments and agencies:

- Agriculture
- Air Force
- Army
- Atomic Energy Commission
- Coast Guard
- Commerce
- Federal Aviation Administration
- General Services Administration
- Health, Education and Welfare
- Interior
- Justice
- National Aeronautics and Space Administration
- Navy
- State
- Treasury
- United States Information Agency

together with representatives of such other agencies as the Director may designate. Liaison between the IRAC and the FCC is effected by a representative appointed by the Commission to serve in that capacity.

The IRAC shall:

Advise the Director of Telecommunications Policy as requested on matters concerning the allocation, use and management of the electromagnetic spectrum. This advice shall represent the collective interests of the government as a whole, and shall

be transmitted to the Director through the Committee Chairman.

Assist the Director of Frequency Management, Office of Telecommunications Policy, in making frequency assignments and in preparing recommendations on frequency matters.

The IRAC may establish by-laws and procedures as considered necessary to discharge its functions.

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON, D.C. 20504

DIRECTOR

December 3, 1970

To: Dr. George Mansur
Mr. Will Dean
Mr. Walt Hinchman
Mr. Charles Joyce
Mr. Steve Doyle
Mr. Frank Urbany

From: Tom Whitehead

The attached drafts are for discussion at a future staff meeting.

Attachments

DRAFT 12/3/70

This notice establishes the Electromagnetic Radiation Effects Management Advisory Council (EREMAC) as an advisory body to the Director of Telecommunications Policy and sets forth the responsibilities of the Council pursuant to Executive Order 11556 of September 4, 1970.

The membership of the Council shall consist of experienced and knowledgeable individuals from the scientific, medical, and health professions who can bring to bear the expertise required to carry out the above responsibilities. The Chairman and members shall be ~~appointed by the Director for a period of three years~~ ^{at the discretion of} with terms of ⁷ memberships staggered to provide continuity. +

The Council shall be responsible for the following:

To develop a research program designed to identify, investigate, and evaluate existing and potential types and sources of radiation hazard which may result from present or anticipated radiation in all parts of the electromagnetic spectrum.

To identify, document, and bring to the attention of the Director such general and specific instances of radiation hazard which it believes to possess actual or potential biological danger or harm, or on which the Director requests advice.

To identify, initiate, and conduct both near-term and longer-range studies as required to fulfill the above responsibilities.

To provide timely advice on any questions or issues regarding electromagnetic radiation effects as the Director may request.

The Council may establish working groups and/or subcommittees to aid in the execution of its responsibilities. Such working groups and subcommittees may draw on the experience of additional experts to supplement the capabilities of the members and to conduct such detailed investigation and analysis as the Council may direct.

DRAFT 12/3/70

This notice establishes the Federal Communications Advisory Council as an advisory body to the Director of Telecommunications Policy, pursuant to Executive Order No. 11556.

The Federal Communications Advisory Council shall be comprised of eminent individuals who individually and collectively counsel the Director of Telecommunications Policy on matters of importance relating to all aspects of communication.

The purposes of the Council are:

To advise the Director on any communications matters he may raise or for which the Council members feel timely information would be useful and to answer specific questions as raised by the Director.

- - To provide a representative body of users, science, and industry with communications interests that the Director may utilize to bring to the attention of those interests pertinent communication issues and policy determinations and to indicate the information and assistance required by the government.

To provide a flexible mechanism to insure that the best communications advice within the country is available to the Federal Government on a timely basis; specifically, to

call on the knowledge and resources of Council members and other individuals to supplement the resources of the Council as may be required.

The membership of the Council should consist of individuals whose collective knowledge and experience can bring to bear the expertise across the broad range of communications as described above. Members shall be appointed by the Director for a period of three years, with terms of membership staggered in order to provide continuity. The Director of Telecommunications Policy shall serve as the Chairman of the Council. The Council may establish working groups, special panels, or committees to aid in the execution of its responsibilities. Such working groups, panels, and committees may draw on the experience of additional experts to supplement the capabilities of the committee memberships, and to conduct such detailed investigation and analysis as the Council or the Chairman may direct.

DRAFT 12/3/70

This notice authorizes the continuance and sets forth the responsibilities of the Interdepartment Radio Advisory Committee (IRAC) pursuant to Executive Order No. 11556 of September 4, 1970.

The IRAC will be chaired by the Director of Frequency Management, Office of Telecommunications Policy. Membership of the IRAC shall consist of one representative appointed by each of the following departments and agencies:

Agriculture
Air Force
Army
Atomic Energy Commission
Coast Guard
Commerce
Federal Aviation Administration
General Services Administration
Health, Education and Welfare
Interior
Justice
National Aeronautics and Space Administration
Navy
State
Treasury
United States Information Agency

together with representatives of such other agencies as the Director

may ^{delegate} ~~direct~~. In addition, the Federal Communications Commission may

~~appoint a representative to serve as a liaison between the FCC and~~

~~the Committee.~~

Liaison between the IRAC and the FCC is effected by a representative appointed by the Commission to serve in that capacity.

The IRAC shall:

Advise the Director of Telecommunications Policy as requested on matters concerning the use and management of the electromagnetic spectrum. This advice shall represent the collective interest of the government as a whole, and shall be transmitted to the Director through the Committee Chairman.

Assist the Director of Frequency Management, Office of Telecommunications Policy, in preparing recommendations on frequency assignment matters not considered by the ~~Director of Frequency Management~~ to require the ~~personal attention of the Director~~, the IRAC shall assist the ~~Director of Frequency Management in making assignments.~~

The IRAC also shall:

Assist the Director of Frequency Management in his responsibility for the implementation of such frequency assignments as determined by the Director of the Office of Telecommunications Policy acting through the Director of Frequency Management.

conduct its affairs under the direction and supervision of the Director of Freq. Mgmt. Additionally, it may establish by-laws and procedures as considered necessary to discharge its functions.

This notice authorizes the continuance and sets forth the responsibilities of the Interdepartment Radio Advisory Committee (IRAC) pursuant to Executive Order No. 11556 of September 4, 1970.

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- Agriculture
- Air Force
- Army
- Atomic Energy Commission
- Coast Guard
- Commerce
- Federal Aviation Administration
- General Services Administration
- Health, Education and Welfare
- Interior
- Justice
- National Aeronautics and Space Administration
- Navy
- State
- Treasury
- United States Information Agency

together with representatives of such other agencies as the Director may designate. Liaison between the IRAC and the FCC is effected by a representative appointed by the Commission to serve in that capacity.

The IRAC shall:

Advise the Director of Telecommunications Policy as requested on matters concerning the allocation, use and management of the electromagnetic spectrum. This advice shall represent the collective interests of the government as a whole, and shall

be transmitted to the Director through the Committee Chairman.

Assist the Director of Frequency Management, Office of Telecommunications Policy, in making frequency assignments and in preparing recommendations on frequency matters.

The IRAC may establish by-laws and procedures as considered necessary to discharge its functions.

1 RAC

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY
WASHINGTON, D.C. 20504

Date: December 10, 1970

Subject: Terms of Reference for IRAC

To: Mr. C. T. Whitehead

In response to your memo of December 3, 1970, the drafts attached thereto have been reviewed. In the case of ERMAC I have a couple of minor suggestions, however in the case of IRAC I submit that a redo is necessary. The enclosure is forwarded to meet this need.


W. Dean, Jr.

Enclosure

This notice authorizes the continuance and sets forth the responsibilities of the Interdepartment Radio Advisory Committee (IRAC) pursuant to Executive Order No. 11556 of September 4, 1970.

The IRAC will be chaired by the Director of Frequency Management, Office of Telecommunications Policy. Membership of the IRAC shall consist of one representative appointed by each of the following departments and agencies:

- Agriculture
- Air Force
- Army
- Atomic Energy Commission
- Coast Guard
- Commerce
- Federal Aviation Administration
- General Services Administration
- Health, Education and Welfare
- Interior
- Justice
- National Aeronautics and Space Administration
- Navy
- State
- Treasury
- United States Information Agency

together with representatives of such other agencies as the Director may designate. Liaison between the IRAC and the FCC is effected by a representative appointed by the Commission to serve in that capacity.

The IRAC shall:

Advise the Director of Telecommunications Policy as requested on matters concerning the allocation, use and management of the electromagnetic spectrum. This advice shall represent the collective interests of the government as a whole, and shall

be transmitted to the Director through the Committee Chairman.

Assist the Director of Frequency Management, Office of Telecommunications Policy, in making frequency assignments and in preparing recommendations on frequency matters.

The IRAC may establish by-laws and procedures as considered necessary to discharge its functions.--

OTB
Jure

December 2, 1970.

Government Use of Telecommunications

Chairman, IRAC

One of the responsibilities of this Office contained in E.O. 11556 involves the "development, in coordination with the FCC, of a comprehensive long-range plan for improved management of all electromagnetic spectrum resources." I have been in contact with the Chairman of the FCC and am concerned that this work begin promptly.

In view of the above and confirming our recent discussion I would like the IRAC to prepare a statement of the nature and magnitude of the Government's use of the spectrum.

Results should be in an appropriate summary suitable for my use in informing the President, the Congress, and the public regarding the nature and scope of Government spectrum use. It would be appreciated if this material could be available not later than 1 February 1971.

CTW

Clay T. Whitehead

WDean/mef ✓

cc: FMD/OTP /Reading/OTP Reading

WJ 12/2/70

DRAFT
MMcCradden:jm
12/1/70

*OTR
Jm*

This notice authorizes the continuance and sets forth the responsibilities of the Interdepartment Radio Advisory Committee. It is issued pursuant to Executive Order No. 11556 of September 4, 1970.

The Interdepartment Radio Advisory Committee (IRAC) was organized by mutual agreement of the government departments concerned on June 1, 1922; reconstituted on October 6, 1952; and given status, mission, and function on December 10, 1964. Membership of IRAC shall consist of a representative appointed by each of the following departments and agencies:

Agriculture
Air Force
Army
Atomic Energy Commission
Coast Guard
Commerce
Federal Aviation Administration
General Services Administration
Health, Education and Welfare
Interior
Justice
National Aeronautics and Space Administration
Navy
State
Treasury
United States Information Agency
other

together with representatives of such/agencies as the Director may desire. In addition, the Federal Communications Commission shall appoint a representative to serve as a liaison between the FCC and

IRAC shall be responsible for the following:

Advising the Director of the Office of Telecommunications Policy on matters concerning the use, operation, and management of the electromagnetic spectrum. This advice shall represent the collective interest of the government as a whole, and shall be transmitted to the Director through the Committee Chairman.

Make recommendations as they are required for the assignment of frequencies for use by appropriate Federal agencies.

The preparation and submission of these recommendations shall be the joint responsibility of the Committee, the IRAC Secretariat, and the Director of Frequency Management.

Assist the Director of Frequency Management and the IRAC Secretariat in their responsibility for the implementation of such frequency assignments as determined by the Director of the Office of Telecommunications Policy acting through the Director of Frequency Management.

/ RAC

OFFICE OF TELECOMMUNICATIONS POLICY

ROUTE SLIP

TO CTW

ACTION	<input type="checkbox"/>
Concurrence	<input type="checkbox"/>
Signature	<input type="checkbox"/>
Comments	<input checked="" type="checkbox"/>
For reply	<input type="checkbox"/>
Information	<input type="checkbox"/>
Per conversation	<input checked="" type="checkbox"/>
Discuss with me	<input type="checkbox"/>

FROM M McCruden

DATE 12/2/70

REMARKS *Enclosed are drafts for IRAC, ERMAC, Communication Advisory Council for your review.*

For ERMAC and CAC the DTP has been named Chairman by fiat. PSAC elects its own Chairman although ~~that~~ has historically always been the President's Science Advisor. Assuming the need for a Chairman, what is your preference on the method for his determination

IRAC

Thursday 11/19/70

11:50 Will Dean advises that the IRAC meetings will be held the 2nd and 4th Tuesdays of each month; we will therefore try to schedule the pre-IRAC Meetings for 9:30 a. m. on the Monday just before in each case and the post-IRAC for the Wednesday after at 9:30.

IRAC

Tuesday 11/3/70

MEETINGS

10:30 Will Dean advises that Mr. Whitehead wants to meet with him for 15 minutes prior to all IRAC meetings and for 15 minutes after all IRAC meetings. Will let us know when they are scheduled.

EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS POLICY

WASHINGTON, D.C. 20504

November 9, 1970

Jac
DIRECTOR

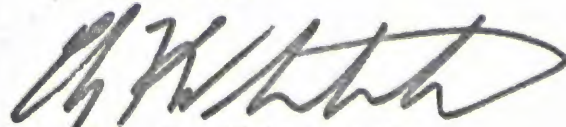
Honorable Myron Tribus
Assistant Secretary for
Science and Technology
Department of Commerce
Washington, D.C. 20320

Dear Dr. Tribus:

I have asked Mr. Walter Hinchman to take primary responsibility for the time being for coordination between OT and OTP of the over-all work program. On those matters involving Federal spectrum management support, Mr. Dean is the continuing focal point within the OTP.

By letter of October 14, 1970, we furnished information regarding the assistance desired by the Department of Commerce in support of the Interdepartment Radio Advisory Committee Secretariat. A number of studies and recommendations have been made in recent years which should be useful in structuring the Commerce support program (e.g., on EMC Analysis, data base requirements, automatic data processing, spectrum standards, and spectrum monitoring). I have asked Mr. W. Dean to forward these materials to Dr. Kandoian, and to arrange for further discussions of these topics.

Sincerely,



Clay T. Whitehead

IRAC

September 9, 1970

Dear Mr. Morley:

The request contained in your letter of August 24, 1970, for membership of the Department of Health, Education, and Welfare on the Interdepartment Radio Advisory Committee (IRAC) and its Spectrum Planning Subcommittee (SPS), is approved.

I shall be pleased therefore to have you designate representatives to both the IRAC and the SPS. Such representatives must have a security clearance of SECRET. It will be helpful if you will send a letter to Mr. C. E. Kirkevold, Executive Secretary, IRAC, designating your representatives for the two committees and stating their security clearances.

I am confident that your membership will provide significant contributions to the frequency management effort.

Sincerely,

Clay T. Whitehead
Special Assistant to the President

Mr. Albert L. Morley, Director
Office of Telecommunications
Department of Health, Education, and Welfare
Washington, D. C. 20201

cc: Mr. Whitehead
Central Files

CNKirkevold:ens

Clearances:
W. Dean, Jr.



DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

WASHINGTON, D.C. 20201

OFFICE OF THE SECRETARY

August 24, 1970

Mr. Wilfrid Dean, Jr., Chairman
Interdepartment Radio Advisory Committee
Office of Telecommunications Policy
Executive Office of the President
Washington, D.C. 20504

Dear Mr. Dean:

Secretary Richardson has recently established an Office of Telecommunications Policy in the Office of the Secretary to advise him and provide interface with various telecommunication activities outside the Department.

At the present time this Department is represented on the Interdepartment Radio Advisory Committee by the U.S. Coast Guard. This arrangement has been most satisfactory with regard to the day to day operational requirement for frequency assignments. In addition, the Office of Telecommunications Policy does not have staff with experience in the operational aspects of frequency allocation, so we would prefer to continue our present arrangement with the Coast Guard.

However, we are most anxious to participate more directly in the workings of IRAC; especially with regard to policy matters which could affect the plans and programs of the Department. I would therefore like to suggest that the Department of Health, Education, and Welfare be represented on the parent IRAC committee and on the Spectrum Planning Sub-committee while the U.S. Coast Guard continues to carry out the operational frequency assignment activity for the Department by representing DHEW in the Frequency Assignment Sub-committee. I have discussed this arrangement with Mr. Joseph Stewart of the Coast Guard and have received his concurrence.

I would appreciate it if you would present our request to IRAC, and I will look forward to learning of their decision. Thank you for the advice and help you have given our new office.

Sincerely yours,

A handwritten signature in cursive script, reading "Albert L. Horley".

Albert L. Horley, Director
Office of Telecommunications

INTERDEPARTMENT RADIO ADVISORY COMMITTEE

WASHINGTON, D.C. 20504

ADDRESS ALL COMMUNICATIONS
TO THE EXECUTIVE SECRETARY

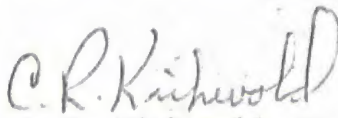
Date: September 9, 1970

Subject: HEW Membership on IRAC and SPS

To: Associate Director
Frequency Management

The recent request of the Department of Health, Education, and Welfare for membership on the IRAC and the Spectrum Planning Subcommittee was considered by the Committee at its meeting on September 8, 1970.

As there was general support and no opposition, the IRAC recommends approval by the Office of the HEW request for membership on the Main Committee and the SPS, with the understanding the Coast Guard will continue to carry out the frequency assignment activity of the HEW in the Frequency Assignment Subcommittee.


C. R. Kirkevold
Executive Secretary

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EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF TELECOMMUNICATIONS MANAGEMENT
WASHINGTON, D.C. 20504

CTW
To read
To file

Date: September 9, 1970

Subject: Department of Commerce/OTP Meeting on Transfer of IRAC Secretariat

To: The Record

1. On September 9, 1970, Department of Commerce (Dr. Richardson, Dr. Armij Kandoian and staff members) and OTP representatives (J. R. O'Connell and the undersigned), met to discuss subject matter.

2. The items and results are as follows:

a. Space Accommodations - The Secretariat's requirements for physical accommodation of 13 individuals and related activities were made known, i.e., 2000 square feet of contiguous office space; 730 square feet of space for a conference room adjacent to or in the immediate vicinity of the Secretariat; and reproduction facilities comparable to a Xerox Model 3600 with collater. Additionally, it was noted that 66 file cabinets for record and working material would be required, plus a vault for overnight storage of briefcases of conference attendees.

Dr. Richardson queried as to whether Gaithersburg would be a suitable location for the Secretariat. A negative response was given on the grounds that 15 Government Departments and Agencies were involved in the day to day work of the Committee as well as monthly and semi-monthly meetings. DOC representatives indicated that they could not make a commitment at this time with respect to space accommodations pending negotiation with the DOC building manager.

The undersigned emphasized the classified (up to and including SECRET) nature of the IRAC files wherein sensitive operations (particularly DOD, AEC, Justice and Treasury) were involved.

It was agreed that the IRAC Secretariat should be accommodated in the downtown area, preferably within the main Department of Commerce building, and that the DOC would endeavor to provide such space as soon as practicable. In the interim (60-90 days), it was agreed that there would be no objection to the Secretariat remaining in present OTP spaces.

b. Computer Support - The approximate needs of the IRAC in computer support were indicated -- (For FY70, some 293 hours of computer time, 4 1/2 computer operators, 850,000 pages of printed page output and 1 1/4 computer programmers. For FY71, computer time of 330 hours, 4 3/4 computer operators, some 1,050,000 pages of printed output, exclusive of DOD printing services, and one full time computer programmer. It was also noted that FY72 expansion of services would require approximately 360 hours computer time, 5 1/4 computer operators, 1,275,000 pages of printed page output, and 1 computer programmer). It was also noted that FY72 preliminary budget planning included \$350,000 for computer development, \$56,312 for machine rental, \$20,000 for the rental of additional equipment (card punch, collaters, interpreters, paper tape systems, etc.), plus an estimated printing breakdown in the amount of \$111,475. It was indicated that there were 2,081 tape and document subscriptions involved.

In connection with computer support, it was agreed that an extensive undertaking was involved and it was most important to insure that in any "changeover" continuity of operations was not impaired.

It was agreed to recommend that the DOC assumption of computer support be permitted to evolve on an orderly basis, with OTP planning for budgetary support in FY72, looking to DOC takeover of planning in FY73.

c. Timing - The DOC indicated difficulties with transfer of administrative support functions as of September 20, originally envisaged, due to other reorganization efforts currently underway within the Department of Commerce (involving ITS, NOA, etc), and it was agreed that October 18 would be a mutually satisfactory date.

d. Personnel - DOC tabled a list of 21 people, received earlier from Dr. Mansur, involving 13 in the D.C. area and 8 at the remote location. It was agreed that this list was satisfactory for planning purposes noting that specific names might be subject to adjustment. (On the advice of Dr. Mansur and J. R. O'Connell, the undersigned did not discuss a figure of 18 people as suggested by DTP on 9/8/70).

DOC representatives stated that it was planned for the IRAC Secretariat to be a self-contained function at the Division level reporting initially directly to the Director of Telecommunications in DOC.

e. Cost - DOC expressed the desire for a more complete breakdown of allocatable costs (as among salary, computer support, printing, contract, capital equipment, overtime, supervision, etc.). Mr. O'Connell indicated that such a breakdown could not be forthcoming and recommended that DOC criteria for such things as supervision and office support be applied.

f. Follow-On - The undersigned advised the meeting that, while still in the planning stage, an additional transfer of functions might be forthcoming depending upon the future developments. It was recommended that space accommodations and planning for a possible increase in the number of people by as much as 30% be programmed for accommodations within the next 6 months.

g. Travel - It was noted that travel in support of the IRAC Secretariat was in the vicinity of \$3,000 for the current year and programmed to expand to \$4,000 in FY72.

h. Letterheads - It was agreed that the present system of dual letterheads be retained, i.e., one for intra office work and a separate letterhead for the Interdepartment Radio Advisory Committee, per se.

i. Microfilming - It was noted that the microfilming expense in support of the IRAC Secretariat is now approximately \$5,000 a year.

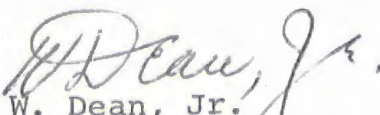
j. OTP Staff Revision - It was agreed that the matter of possible reorganization of individuals currently on OTP staff should be deferred for later private discussions.


k. Electromagnetic Compatibility Analysis - DOC advised that Mr. Roger Salamon of ITS was being assigned to the Washington area to handle this function. In this connection, DOC attention was invited to the fact that Sachs/Freeman Associates were in a position to assist materially in such development effort provided the matter were addressed within the next 60 days. Dr. Richardson agreed that this would be done.

l. Dr. Richardson pointed out that Secretary Stans personally supported the enhancement of telecommunications at the national level and had endorsed both the supplemental and FY72 budget planning of the Department in this area.

m. DOC stated that they desired a better understanding of detailed costs involved before "finalizing" the transfer of dollars. Breakdowns with respect to such things as telephone bills, supervisory direction, travel, etc. were indicated. Mr. O'Connell pointed out that this could not be done and explained the difficulties associated with establishment of a new office which dictated that \$300 K was the maximum which could be transferred, unless directed otherwise by the OMB. Dr. Richardson noted that the Assistant Secretary (for Administration) may not agree to the transfer as proposed unless detailed costs and sources of revenue are furnished. It was noted that this item may well go to the OMB for review.

n. It was agreed that another meeting of the type under report should be held at 1400 on September 24 in OTP offices.


W. Dean, Jr.
Associate Director
for Frequency Management

CC: Mr. C. T. Whitehead 
Mr. G. F. Mansur
Mr. W. E. Plummer
Mr. J. Ray O'Connell