

# **EXPECTATIONS FOR THE RADIO SPECTRUM AVAILABLE TO THE SPACE SERVICES**

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The World Administrative Radio Conference on Space Telecommunications 1971 made 15,654.47 MHz of new spectrum available for space services. The prospects for space services in the 1980's will in large measure depend on the effectiveness with which we have used this spectrum as this experience will influence the decisions to be made at the General World Administrative Radio Conference in 1979.

Preparation for the '79 Conference is already underway at both the FCC and OTP. In the latter case, the activity takes the form of a special subcommittee under the Interdepartment Radio Advisory Committee (IRAC). This group has three components concerned with Allocations, Operations, and Technical. With respect to the FCC, the first Notice of Inquiry has been issued.

The majority of radio services concerned with satellites fall under the cognizance of Federal Government agencies. These include DoD, NASA, Interior, and Commerce. The International Radio Regulations which are of concern, include: Articles 5, 7, 9, and a number of Appendices and annexes. The subject areas include: orbital utilization, station keeping tolerance, emission criteria, and various coordination procedures.

This talk will outline the space services as they are today, discuss the pertinent technical criteria which must be considered, and indicate the organizations, and institutions involved. In this regard the role of the International Radio Consultative Committee (CCIR) will also be discussed, in its relation to accomplishing U.S. objectives at International Conferences.

In conclusion, this presentation will discuss the philosophy and guidance being followed by the U.S. preparatory effort.