

SPECIAL SESSION

TECHNOLOGY FORECASTING AND ASSESSMENT (JOINT AP-S AND S-MTT)

ROUND TABLE DISCUSSIONS;

"WHAT IS HOT -- WHAT IS NOT"

Organized by: Geoffrey Hyde (AP),
Comsat, Washington, D. C. and
H. Warren Cooper (MTT),
Westinghouse Electric Corporation
Baltimore, Maryland

Wednesday, June 12
1000-1230 Van Leer Electrical Engineering Building
Classrooms C-240, C-241, and C-340



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Technology Forecasting and Assessment

(Joint AP-S and S-MTT)

"What is hot -- what is not"

These sessions will attempt to orient the antenna and microwave engineer to the technologies of future importance for the purpose of career guidance. The aim is to show the relationship of antennas and microwaves to the electronics engineering field and to attempt to identify some of the parameters that will impact on the growth of our fields. The sessions will encourage interaction between the discussion leader and the audience. The leader will outline the current status of the field and future direction in about 10 minutes and the remainder of the 45-minute session will be devoted to discussion and questions.

Sessions are scheduled as follows:

- a) Topics of prime antenna and propagation interest (Classroom C-340)
- b) Topics of microwave interest (Classroom C-240)
- c) Topics in the interface area (Classroom C-241)

The scheduling is arranged to permit individuals to change sessions between talks.

1000-1230 Van Leer Electrical Engineering Building

| Classroom C-340 | | Classroom C-240 | | Classroom C-241 | |
|-----------------|--|-----------------|--|-----------------|---|
| 1000 | MICROWAVE AND MILLIMETER-WAVE ANTENNAS (Invited) A. C. Schell, Air Force Cambridge Research Laboratories, Hanscom Field, Bedford, Mass. | 1000 | MICROWAVE SENSORS FOR MILITARY AND CIVIL USE (Invited) J. J. Guarrera, SaCOM Sun Valley, California | 1000 | MICROWAVE GIGAWATTS--A NEW PARADIGM FOR ELECTRICAL ENERGY (Invited) W. C. Brown, Raytheon Co., Waltham, Massachusetts |
| 1050 | NUMERICAL METHODS--ANTENNAS AND SCATTERING IN FREQUENCY AND TIME DOMAINS (Invited) C. E. Baum, Kirtland Air Force Base, New Mexico | 1050 | MICROWAVE APPLICATIONS FOR MATERIAL AND FOOD PROCESSING (Invited) T. S. Saad, Sage Laboratories, E. Natick, Massachusetts | 1050 | GUIDED PROPAGATION AND PROCESSING AT OPTICAL FREQUENCIES (Invited) J. M. Hammer, RCA Laboratories, Princeton, New Jersey |
| 1140 | OPTICS AND QUASI-OPTICS (Invited) R. H. Lang, George Washington University, Washington, D. C. | 1140 | MICROWAVES FOR COMMUNICATIONS AND COMPUTERS (Invited) H. Sobol, Collins Radio Company, Dallas, Texas | 1140 | PHASED ARRAY TECHNOLOGY--PRESENT AND FUTURE (Invited) R. J. Bauer, Westinghouse Electric Corp., Baltimore, Md. |