

JANUARY 17th SPEAKER



RICHARD L. PETRITZ
Director, Device Research Department

B.S. in Electrical Engineering, Northwestern University, 1946; M.S. in Electrical Engineering, Northwestern University, 1947; Ph.D. in Physics, Northwestern University, 1950.

Dr. Petritz, in addition to being director of the Device Research Department in the Central Research Laboratories, is manager of the Advanced Energy Conversion Project. Prior to joining Texas Instruments in 1958 he was Chief of the Semiconductor Research Branch at the U. S. Naval Ordnance Laboratory, White Oak, Maryland. From 1950 to 1954 he was a member of the faculty of the Catholic University of America (Physics Department), Washington, D.C.

While completing his graduate studies at Northwestern University, where he was a Walter P. Murphy Fellow from January 1948 to June 1949, Dr. Petritz held various positions in the fields of physics, electronics, and nuclear weapons.

Dr. Petritz has published many research papers pertaining to the fields of semiconductor physics and devices, theory of noise, surface physics, information theory and photoconductivity. The Institute of Radio Engineers in March, 1954, awarded Dr. Petritz the Browder J. Thompson Memorial Prize and in December, 1954, the U. S. Navy honored him with the Meritorious Civilian Service Award.

Member: American Association of Physics Teachers, American Association of University Professors, American Physical Society, Eta Kappa Nu, Institute of Radio Engineers, Sigma Xi, Tau Beta Pi, Triangle Fraternity, Washington Philosophical Society.



DR. RICHARD L. PETRITZ TO SPEAK AT JANUARY 17th MEETING

Report: "Impressions of Soviet Work"

The Houston Section is to have the pleasure of hearing Dr. Richard L. Petritz report information on Russian semiconductor research which he obtained first-hand from a series of visits in laboratories behind the iron curtain.

Dr. Petritz's "Impressions of Soviet Semiconductor Work" will be presented Tuesday, January 17 at 11:45 a.m., at John's Restaurant, 9350 South Main, Doshier says.

In addition to reporting on Soviet semiconductor work, Dr. Petritz will discuss the organization of scientific research and education in the Russian sphere of influence.

Dr. Petritz, who has had an active interest in educational

systems throughout the world, will comment on the relative merits of comparative systems in the United States, Europe and the USSR. He will also illustrate his presentation with slides he personally obtained with his camera which depict several aspects of the Russian people's current welfare.

An invitation to attend the International Conference on Semiconductor Physics, which was sponsored by the Czechoslovakian Academy of Science in Prague, afforded Dr. Petritz the opportunity to gain entrance into the Soviet sphere of influence in spite of the strained relations between Russia and the United States. From contacts made at this conference, he obtained permission to visit the Physics Institute of the Czechoslovakian Academy of Science and Charles University in Prague.

In Warsaw, Dr. Petritz visited the Physics Institute, Polish Academy of Science and Warsaw University. In Moscow, he visited Moscow University and lectured at Lebedev Physics Institute and the Institute of Radio and Electronics both of which are under the Soviet Academy of Science. He also visited the Institute of Physical Problems SAS in Russia's capital city.

While at Leningrad, Dr. Petritz lectured at the Institute of Semiconductor Physics which is under the direction of Dr. A. F. Ioffe who is the well-known leader of Soviet thermoelectric research. He also spoke at the Institute of Technical Physics.

The guest lecturer has published many research papers pertaining to the fields of semiconductor physics and devices, theory of noise, surface physics, information theory and photoconductivity. The Institute of Radio Engineers awarded him the Browder J. Thompson Memorial Prize a few years ago and the U. S. Navy has honored him with its Meritorious Civilian Service Award.

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