

ators

13 FEB 79

To: BG Freeze -

Sir - Thought you might like this very limited background info for tomorrow's lunch. Although not indicated, both Puthoff and Targ are married. Early indications are that their meeting on the "Hill" went well.

Maj Wad

12:15



M. A. Alhaidar (S'71) was born in Riyadh, Saudi Arabia, on July 1, 1945. He received the B.S. degree in electrical engineering from Riyadh University, Riyadh, in 1968, and M.S. degree in electrical engineering from Carnegie-Mellon University, Pittsburgh, PA, in 1972. He is currently working toward the Ph.D. degree in electrical engineering.

From 1968 to 1970 he served on the faculty of Riyadh University as a Laboratory Instructor. Since 1972 he has been studying fabrication techniques and the acoustooptic interactions in thin

is.



Harold E. Puthoff (S'59-M'61) was born in Chicago, IL, on June 20, 1936. He received the B.E.E. and M.S.F. degrees from the University of Florida, Gainesville, in 1958 and 1960, respectively, and the Ph.D. degree from Stanford University, Stanford, CA, in 1967.

In 1959, he joined the Sperry Electronic Tube Division, Gainesville, FL, where he did research on electron-beam focusing systems for microwave tubes. In 1960, he was a commissioned officer in the U.S. Navy and was assigned

to a research organization of the Department of Defense (Ft. Meade, MD), where he worked on nonlinear devices and optical components for use in high-speed computers. In 1963, he joined the Hansen Laboratory of Physics, Stanford University, where he was engaged in research on lasers and nonlinear optics, coauthoring (with R. H. Pantell) a textbook on lasers, *Fundamentals of Quantum Electronics* (New York: Wiley, 1969); and serving on the faculty as Lecturer in the Department of Electrical Engineering. In 1972, he joined the staff of Stanford Research Institute (SRI), Menlo Park, CA, as a Senior Researcher in the Electronics and Bioengineering Laboratory, where he is presently engaged in research in quantum physics and parapsychological phenomena.

Dr. Puthoff is a member of Sigma Tau, Sigma Xi, and the Parapsychological Association of the American Association for the Advancement of Science.

Bunman Kim was born in Seoul, Korea, in January 1947. He received the B.S. degree in electronics from Seoul National University, Seoul, Korea, in 1972, and the M.S. degree in electrical engineering from University of Texas, Austin, in 1973. He is currently pursuing the doctoral degree in electrical engineering at Carnegie-Mellon University, Pittsburgh, PA, with major research interests in the areas of acoustooptics and optical communication systems.



David Stepan (A'52-M'57-SM'60-F'62) was born in Pittsburgh, PA, on June 30, 1923. He attended the University of Michigan, Ann Arbor, from 1941 to 1943, and received the M.A. and the Ph.D. degrees, both in physics, from Harvard University, Cambridge, MA, in 1946 and 1949, respectively.

In 1943, he entered the U.S. Army and served in the Signal Corps until 1946. Since 1950, he has been a member of the Mathematics Research Center of Bell Laboratories, Murray Hill,

NJ. During the academic year 1958-1959, he was a Visiting Mackay Professor at the University of California, Berkeley. He currently is Professor of Electrical Engineering at the University of Hawaii, Honolulu, and spends every second academic year there on leave from Bell. He has worked in a variety of areas of applied mathematics and has served as Consultant on many Bell System projects. His main field of interest is information theory.

Dr. Stepan is a Fellow of the Institute of Mathematical Statistics and the American Association for the Advancement of Science, and a member of the Society for Industrial and Applied Mathematics. He has served several times on the Administrative Committee of the IEEE Information Theory Group, and was Editor of the PROCEEDINGS OF THE IEEE during 1969 and 1970.

Le Trong Nguyen was born in Vietnam on February 11, 1949. He received the B.S. and M.S. degrees in electrical engineering from Carnegie Mellon University, Pittsburgh, PA, in 1971 and 1972, respectively. He is currently working toward the Ph.D. degree in electrical engineering.

Since 1972 he has been doing research on surface acoustics waves and acoustooptical devices for laser communication.

Mr. Nguyen is a member of Phi Kappa Phi,



Tau Beta Pi, and Pi Nu Epsilon.



Russell Targ (M'63-SM'70) was born in Chicago, Ill., on April 11, 1934. He received the B.S. degree in physics from Queens College, New York, NY, in 1954, and did graduate work in physics at Columbia University, New York.

His early work was done in the development of the laser and laser communications at microwave frequencies. He has contributed to the technology of ultrahigh vacuum and is the inventor of a tunable plasma oscillator at microwave frequencies. His recent laser research included development of a multikilowatt compact self-contained CO<sub>2</sub> laser, together with related techniques to achieve high-power visible and ultraviolet lasers. In 1972, he joined the Stanford Research Institute (SRI), Menlo Park, CA, as a Senior Research Physicist, with a specialty in lasers and plasma research, as well as parapsychological and parapsychical phenomena.

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Chen S. Tsai (M'67) received the B.S. degree from National Taiwan University, Taipei, Taiwan, in 1957, the M.S. degree from Utah State University, Logan, in 1961, and the Ph.D. degree from Stanford University, Stanford, CA, in 1966, all in electrical engineering.

He was with the Lockheed Research Laboratories, Palo Alto, CA, as a Research Scientist for three and a half years before joining the Department of Electrical Engineering, Carnegie-Mellon University, Pittsburgh, PA, in 1969. He

has been Professor of Electrical Engineering since 1972. His research interests include acoustooptics, electrooptics, lithography technology, surface acoustic waves, integrated imaging, and wave interactions with moving boundaries. Dr. Tsai is a member of Sigma Xi and the Optical Soc.

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Jean Van Bladel (M'54-SM'58) was born in Antwerp, Belgium, on July 1, 1927. He received the E.E. degree in electrical engineering from Brussels University, Brussels, Belgium, in 1947, and the Ph.D. degree in electrical engineering from the University of Wisconsin, Madison, in 1950.

From 1950 to 1954, he was with the Radar Laboratory of the University of Brussels, and from 1954 to 1958, he was with the University of Washington, St. Louis, Mo. He is now Professor of Electrical Engineering at the University of Ghent, Ghent, Belgium, where he is the Director of the Laboratory for Electromagnetism and Acoustics. During the summer of 1974, he was a Visiting Professor at the University of Wisconsin and he is a member of Commission B (Fields and Waves) of the International Scientific Union (URSI).