

agreed to hold on "reducing the dangers of surprise attack." While Kistiakowsky never abandoned his distaste for the Soviet dictatorship or the Soviet economic system, he did come to believe that the safest course for the United States was a negotiated reduction in nuclear weapons stockpiles. With the encouragement of Eisenhower and James Killian, then Science Advisor to the President, Kistiakowsky spent much of his time seeking viable negotiating positions for stopping the arms race.

In 1969, when he succeeded Killian as Special Assistant for Science and Technology, Kistiakowsky became fully engaged in the problems of a secure peace that preoccupied the President and a growing number of scientists and other concerned citizens. There were many people, of course, who opposed the President's arms-limitation goals, and Kistiakowsky's efforts made him some powerful enemies, which did not deter him and in fact gave him special pleasure. His great intellectual and human qualities earned him a unique place as one of Eisenhower's most trusted aides and friends.

Though he returned to Harvard when Kennedy succeeded Eisenhower as President, the problems and the dangers of the arms race remained uppermost on his mind. With his considerable experience, awesome drive and dedication, he continued to work for arms control and, in doing so, became the symbol of the efforts of many scientists who share the goal. As chairman of the Council for a Livable World, he lent power and prestige to that organization and encouragement and hope to millions who did not have the professional involvement he had had with these issues.

JEROME B. WIESNER
Massachusetts Institute of Technology

H. Kendall Reynolds

H. Kendall Reynolds, professor of physics at State University of New York College at Cortland, died on 14 November 1982 at the age of 56.

Reynolds received his PhD in nuclear physics from Caltech in 1953 and soon after joined the University of Houston, where he spent the next 15 years. He was chairman of the physics department in 1960-65. During those years, his department increased in size from 9 to 17 faculty members and developed the PhD program in physics.

In 1968, Reynolds joined SUNY Cortland as Dean of Arts and Sciences. His foremost love was to teach physics, and even as a dean he taught an upper-level course in physics every semester. In 1981, when he stepped down as dean,

he joined the physics department full time.

Reynolds was very interested in helping the development of science in Latin America and Asia. Besides being adviser to several universities in these continents, he spent a year each at the University of Guayaquil (Ecuador) and the University of Peru to assist in their science programs.

RAM P. CHATURVEDI
*State University of New York
College at Cortland*

E. J. Workman

E. J. Workman, president of the New Mexico Institute of Mining and Technology for eighteen years and a noted atmospheric physicist, died in Santa Barbara, California, on 27 December 1982 at the age of 83.

He did his undergraduate work at Whitman College, where he graduated with Walter Brattain, Walker Bleakney, and Vladimir Rojansky in 1924. He received his PhD at the University of Virginia in 1930. He was a National Research Council Fellow at the Bartol Research Foundation of the Franklin Institute and at the California Institute of Technology from 1930 to 1933. He had been head of the physics department at the University of New Mexico in Albuquerque for thirteen years when, in 1946, he was appointed president of the New Mexico Institute of Mining and Technology and director of its newly created research and development division.

He is remembered for the discovery of electric potentials associated with the freezing of dilute aqueous solutions (the Workman-Reynolds effect) and for his research in atmospheric electricity including thunderstorms and other weather-related areas. Workman was

WORKMAN



an enthusiastic teacher and designed many novel demonstrations for his students.

During his tenure as president of New Mexico Tech, he established the Langmuir Laboratory for Atmospheric Research at an elevation of 3240 m in the nearby Magdalena Mountains. This laboratory has become a leading international center for thunderstorm studies.

Following his retirement at the New Mexico Institute of Mining and Technology, he became the first director of the Cloud Physics Observatory of the University of Hawaii at Hilo.

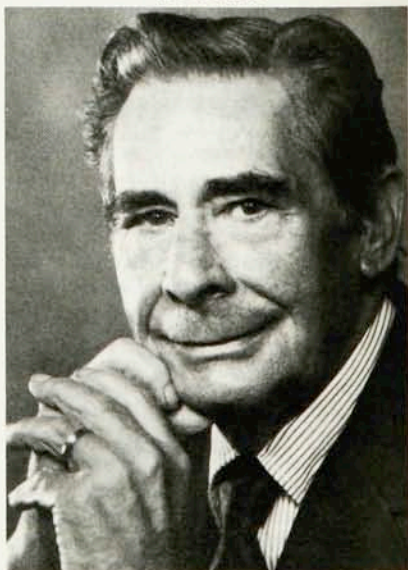
MARX BROOK
MARVIN WILKENING
*New Mexico Institute of
Mining and Technology*

Dan McLachlan Jr

Dan McLachlan died on 3 December 1982, two days before his 77th birthday. McLachlan was emeritus professor of mineralogy at Ohio State University. He was editing the final proofs of *Crystallography in North America* for the American Crystallographic Association when he suffered a massive heart attack.

McLachlan was born in Arcola, Saskatchewan, and educated at Kansas State College, receiving his BS in 1930, and at Pennsylvania State College, receiving his MS in 1933 and PhD in 1936. He was a physical chemist at Corning Glass from 1936 to 1941, and a physicist at American Cyanamid to 1947, before serving as professor of metallurgy, mineralogy and physics at the University of Utah until 1953. He then went to the Stanford Research Institute as assistant chairman of the Poulter Laboratory, and later to the University of Denver, where he served

MC LACHLAN



as coordinator of the physics department and professor of metallurgy until 1963. After a year as Batelle professor, he remained professor at Ohio State University from 1964.

His interests ranged over large areas of crystallography. In the days before high-speed computers, he invented a series of ingenious analog devices to lighten the tedium involved in such hand calculations as Fourier series summations. He published *X-Ray Crystal Structure* in 1957 and *Statistical Mechanical Analogies* in 1968. He was active in a number of scientific societies and was a member of the US delegation to the celebrated 1946 meeting in London that led to the organization of the International Union of Crystallography. He was the ninth president of the American Crystallographic Association. His major activity in the last two years was editing *Crystallography in North America*, a comprehensive account of the development of this science in the US and Canada from its beginnings, before WWI, to the present.

McLachlan was a warm and friendly man with a keen if wry sense of humor. His hilarious tale *Your Dog Died*, published under the pseudonym Dok McMud expresses his comic perceptions with great fidelity.

S. C. ABRAHAMS
Bell Laboratories

Wade J. Temple

Wade J. Temple, professor of physics at Randolph-Macon College, died 7 November 1982, after a long illness. He was 49.

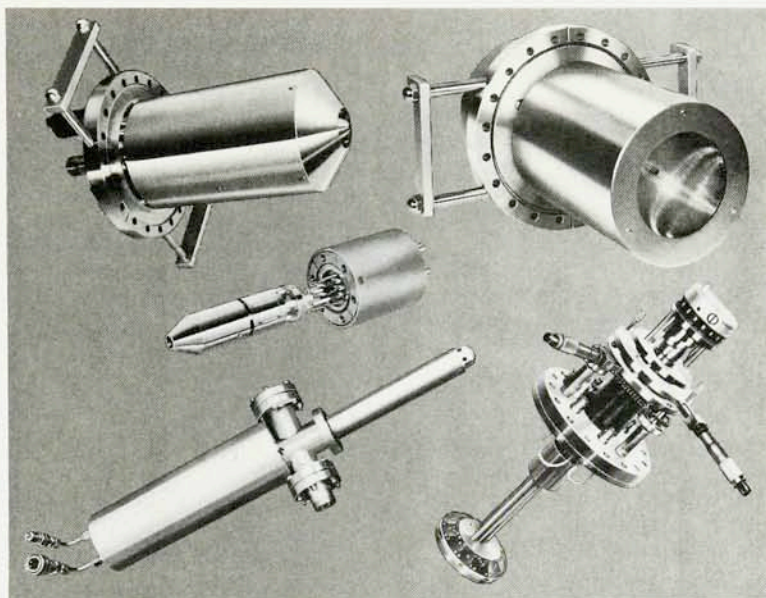
A native of Petersburg, Virginia, Temple was a 1954 graduate of Randolph-Macon. After serving the college as a physics instructor for several years, he went to West Virginia University, where he received MS and PhD degrees in 1960 and 1964. He then returned to his alma mater to teach.

In 1967 he was appointed full professor of physics, and he served as department chairman from 1969 until his illness required him to step down.

His primary research was in microwave spectroscopy and electron spin resonance. For years he taught the introductory course in astronomy and oversaw the operations of Keeble Observatory. He is also credited with expanding computer education at the college. He directed an NSF-supported effort to train every faculty member and student in the use of computers and to develop additional courses in computer science.

WILLIAM P. HESSE
Randolph-Macon College □

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