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DISTINGUISHED MEMBER AWARD

The Distinguished Member Award of The Clay Minerals Society was made to Professor Charles E. Weaver at the 22nd annual meeting of The Clay Minerals Society in Denver, Colorado, July 29, 1985. The following citation was read on behalf of the recipient.

CITATION TO CHARLES E. WEAVER

Haydn H. Murray

Mr. President, members, and guests of The Clay Minerals Society and Madam President, members, and guests of AIPEA, I am honored to present Dr. Charles E. Weaver, better known to his associates as "Chuck," as the recipient of the Distinguished Member Award of The Clay Minerals Society. It is appropriate that this award is being presented in Denver, one of the major petroleum exploration centers in the United States, because the early contributions in Dr. Weaver's illustrious career came when he was associated with the oil industry.

Charles E. Weaver was born in Lock Haven, Pennsylvania, in 1925. He matriculated at The Pennsylvania State University where he received a B.S. degree in geology and mineralogy in 1948, a M.S. degree in 1950, and a Ph.D degree in 1952. His major professor at Penn State was Thomas F. Bates, one of the founding fathers of our Society.

After receiving his Ph.D. degree, Dr. Weaver joined Shell Oil Company in 1952 in Houston where he distinguished himself by conducting research in clay mineralogy, geochemistry, and sedimentology. In 1960 he joined Continental Oil Company in Ponca City, Oklahoma, and remained there until 1963. During his eleven years in the petroleum industry Dr. Weaver published 22 refereed papers in many journals including *Clays and Clay Minerals, American Mineralogist, Bulletin of the Geological Society of America, American Journal of Sciences, Journal of Sedimentary Petrology, Clay Minerals Bulletin,* and *Bulletin of the American Association of Petroleum Geologists.* In addition, he authored approximately 50 company reports.

In 1963, Dr. Weaver left the petroleum industry and joined the faculty of the Georgia Institute of Technology as associate professor of geology. In 1965, he was promoted to professor of geophysical sciences, and in 1970, he founded and was the first director of the School of Geophysical Sciences. In 1981 he relinquished his administrative duties, and for the past four years he has devoted his time to teaching and research. During his 22 years at Georgia Tech, Dr. Weaver has taught courses in clay mineralogy, stratigraphy/sedimentation, and physical geology; he has published more than



40 scientific papers and authored five books; and he has administered eleven large research grants and supervised the research of nearly 80 graduate students.

Charles E. Weaver has received many honors and awards. In 1958 he received the Mineralogical Society of America award as the oustanding mineralogist under the age of 35; he is the only scientist from industry ever to have received this prestigious award. He was president of the Georgia Geological Society in 1966 and president of The Clay Minerals Society in 1968. In 1979, Battelle Memorial Institute presented him its award for exceptional performance as a result of his work evaluating shales as potential repositories for high-level radioactive wastes. In addition he has an appellation, the Weaver Index (sharpness index)—a measure of the degree of diagenesis as measured by the sharpness of the 10-Å illite peak.

Dr. Charles E. Weaver is truly one of the giants in the field of clay mineralogy. He has researched and published on every major clay mineral group, and, more significantly, his papers on each group have been exceptional contributions. He has been a productive worker for more than 30 years, and if you talk to Chuck

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today he is as enthusiastic and energetic as he ever was. We fully expect another 30 years of contributions from him.

In addition to his many outstanding scientific contributions, awards, and scholarly attainments, Chuck Weaver is a genuine, patient, kind, and thoughtful person who I have enjoyed as a friend for some 33 years. Mr. President, it gives me great pleasure to present Dr. Charles E. Weaver as the 1985 Distinguished Member of The Clay Minerals Society.

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