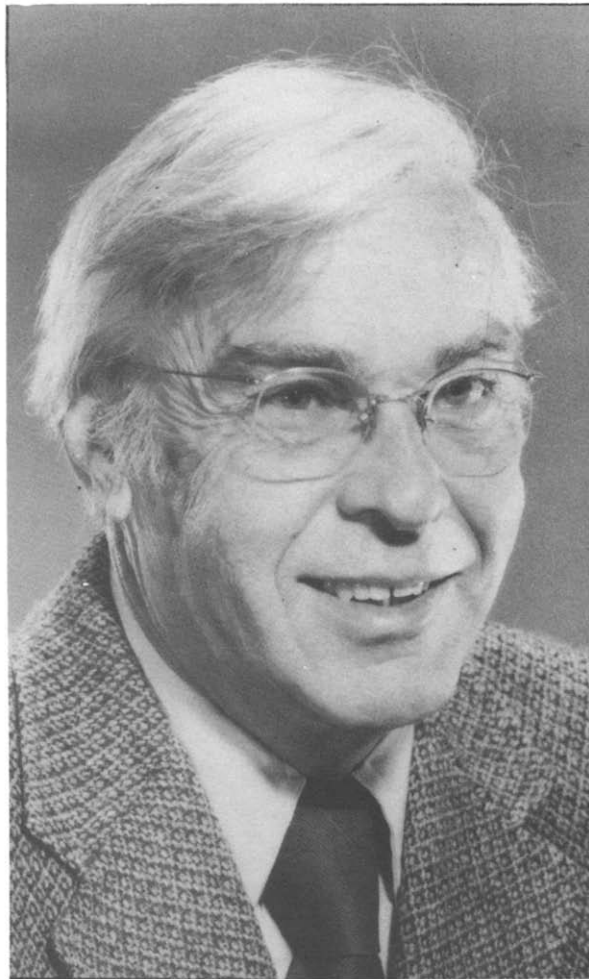


PROFESSOR RALPH A. SEBAN  
ON HIS 65TH BIRTHDAY



PROFESSOR RALPH A. SEBAN was born in Compton, California on 11 May 1917. This special issue is dedicated to him on his 65th birthday.

Professor Seban received all of his university degrees, including B.S., M.S. and Ph.D., from the University of California at Berkeley and has been on its faculty since 1946. In addition to research and teaching in heat transfer and thermodynamics for the past 36 years at Berkeley, he served for a long period as Chairman of the Heat Power Systems Division (1958-1965) and Chairman of the Mechanical Engineering Department (1965-1969). Following the long, eminent tradition first established by L. M. K. Boelter, he provided the stature and leadership which has enabled the Berkeley heat transfer group to become and remain one of the world's leading research centers in the field.

An active and loyal member of the heat transfer community for the past four decades, he has also served in many leadership capacities in professional activities including the chairmanship of the ASME Heat Transfer Division. Despite his modesty that shuns self-praise and external recognition, his outstanding contributions to education, research and professional service have not gone unnoticed. He was awarded the ASME Heat Transfer Division Memorial Award in 1964, became a Fellow of ASME in 1970 and an Honorary Member in 1977, and received the ASME-AIChE Max Jakob Memorial Award in 1980. In addition, he was elected in 1978 to the membership of the U.S. National Academy of Engineering.

An outstanding feature of Professor Seban's research record has been the extraordinary breadth of his contributions. Over the years, he has conducted

pioneering research and contributed significant findings in such fields as freezing and ice formation, turbulent heat transfer analogy, boundary layer heat transfer, heat transfer in separated flows and wall jets, infrared surface radiation, and film condensation and evaporation. Many of his papers have become landmarks, opening the way for extensive contributions by others. He is still actively conducting research at the same high standards that he established throughout his career. His recent interest lies in reflooding of a hot channel, an important problem in reactor safety thermal-hydraulics.

As an educator, Professor Seban has been extremely successful in guiding his research students and developing their individual talents and abilities. Many of his former graduate students have become leaders of the engineering profession both in industry and in the academic world. This is partially reflected in the following long list of former students who completed their doctorates with Professor Seban: W. Goldsmith, H. Gordon, R. M. Drake, W. H. Giedt, S. Levy, J. P. Hartnett, S. Scesa, A. M. Levy, J. R. Kliegel,

R. C. Eberhart, A. F. Emery, L. H. Back, A. A. McKillop, J. Fox, A. F. Mills, S. M. Cho, P. Payvar, M. F. E. Dillenius, G. L. Caldwell, J. R. Bergquam, K. R. Chun, L. Slegers, E. Chin, F. S. Felicione, D. Rafi-inejad, H. B. Mason, A. K. Abhat, Y. Kim, A. Faghri, M. Kaviany-Nejad, I. C. Hsu and A. Kharraazi.

Professor Seban, in addition to having deep insight into general engineering problems, carries these perceptions over to other intellectual matters. He never ceases to amaze his friends and colleagues with his wealth of knowledge of far-ranging subjects such as literature, history and economics. He is also a devoted family man, and he and his wife Jean raised five children, all of whom have achieved success.

On behalf of his former students, his colleagues and his friends from all over the world, we wish him a happy birthday, followed by many years of continued professional success and family happiness.

J. P. HARNETT  
CHANG-LIN TIEN