

Eleven New Scientists To Join MSC Pilots

NASA announced August 4, the selection of eleven new scientist-pilots. All are civilians. Ten of them will report for duty at the Manned Spacecraft Center September 18. The eleventh man will complete his medical internship before reporting for duty in about a year.

The ten new crewmen will have two weeks of general orientation activities at MSC and will begin a program of academic, or "ground-school," training on October 2. They will begin Air Force flight training in March to become qualified jet pilots.

The "ground-school" training at MSC will include orbital mechanics, computers, spacecraft orientation, and general math and physics refresher courses, as well as field trips for contractors facility orientation.

Two of the new scientists are naturalized citizens of the United States.

The group is the sixth class of crewmen to be selected and the second selected specifically for scientific education rather than for pilot backgrounds.

The 11-man selection increases the number of NASA pilots to 57 or 56 if recently resigned pilot Scott Carpenter is not included.

They were selected from a 65-man group screened from nearly 500 applicants by the National Academy of Sciences for NASA. Each member of the group has earned a doctorate. Each is married.

The new pilots are:

Dr. Joseph P. Allen, 30, a physicist research associate at the University of Washington in Seattle;

Dr. Philip K. Chapman, 32, a naturalized citizen born in Aus-

tralia, and presently a staff physicist at the Experimental Astronomy Laboratory, Massachusetts Institute of Technology;

Dr. Anthony W. England, 25, a graduate fellow in geophysics at M.I.T.,

Dr. Karl G. Heinze, 40, professor of astronomy at Northwestern University and an experimenter in the Gemini program;

Dr. Donald L. Holmquest, 28, completing medical internship requirements at Methodist Hospital, Houston, and his doctorate in physiology at the Baylor College of Medicine;

Dr. William B. Lenoir, 28, assistant professor of electrical engineering at M.I.T.;

Dr. John A. Llewellyn, 34, a naturalized citizen born in Wales, presently an associate professor in chemistry at Florida State University;

Dr. Franklin S. Musgrave, 31, a post-doctoral fellow at the University of Kentucky with a doctorate in medicine from

(Continued on Page 3)

RCA To Build New Space-Suit Communications

Radio Corporation of America Defense Electronics Products Division, Camden, New Jersey, has been selected, it was announced August 10, by NASA, for negotiation of a contract for a new dual space-suit communications system.

Estimated value of the cost-plus-fixed-fee contract is less than five-million dollars.

The space suit communications (SSC) systems are for use

(Continued on Page 2)

Newest Group To Join MSC Pilot Program

(Continued from Page 1)

Columbia University and a Ph.D. in physiology from the University of Kentucky;

Dr. Brian T. O'Leary, 27, a Ph.D. in astronomy presently in the NASA trainee program at Space Sciences Laboratory, Department of Astronomy, University of California;

(SEE STORY PAGE ONE)

Dr. Joseph P. Allen was born June 27, 1937 in Crawfordsville, Indiana. He has a BA degree in math-physics from Depauw University, 1959, an MS in physics from Yale University, 1962, and a PhD in physics (nuclear Physics) from Yale, 1965.

He is married to the former Bonnie Jo Darling, daughter of Mr. and Mrs. W. C. Darling, 1327 Mason St., Elkhart, Indiana.

His present position is research associate at the University of Washington, Seattle, Washington.

His parents are Mr. and Mrs. Joseph P. Allen III, 615 Ridge St., Greencastle, Indiana.

Dr. Philip K. Chapman was born March 5, 1935 in Melbourne, Australia. He has a BS degree in physics from Sydney University, Australia, 1956, an MS in aeronautics and astronautics, Massachusetts Institute of Technology, 1964, and a SD in physics (instrumentation), from MIT, 1967.

He is married to the former Pamela Gatenby, daughter of Mr. and Mrs. W. C. Gatenby, Herberton, Queensland, Australia. The couple has one child, Peter Hume, born 1960.

Chapman's experience includes 1957-59 as Auroral/radio physicist with Antarctic Division, External Affairs Department, Commonwealth of Australia, with the 1958 Australia National Antarctic Research Expedition, IGY. In 1960-61 he was staff engineer (electro-optics), Canadian Aviation Electronics, Dorval, Quebec. His present position is as staff physicist, Experimental Astronomy Laboratory, MIT, since 1961.

His parents are Mr. and Mrs. C. R. Chapman, 155 Spit Road, Mosman, New South Wales, Australia. He obtained his U. S. citizenship May 8, 1967.

Dr. Robert A. Parker was born December 14, 1936 in New York City. He has a BA degree in astronomy and physics from Amherst College, 1958, and a PhD in astronomy from the California Institute of Technology, 1963.

He is married to the former Joan Audrey Capers, daughter of Mr. and Mrs. C. H. Capers, 321 Landis, Waynesboro, Pennsylvania. The couple has two children Kimberly born 1962, and Brian in 1964.

His present position is assistant professor of astronomy, University of Wisconsin, since 1963.

Dr. Robert A. Parker, 30, assistant professor of astronomy at the University of Wisconsin;

Dr. William E. Thornton, 38, who recently completed a two-year tour of duty with the Aerospace Medical Division of Brooks Air Force Base, San Antonio, Texas.

His parent is Allan S. Parker, North Street, Shrewsbury, Massachusetts.

Dr. Anthony W. England was born May 15, 1942 in Indianapolis, Indiana. He has a BS degree in geology and physics from MIT, 1965, an MS in geology and physics, MIT, 1965, and a PhD in geophysics MIT, 1967.

He is married to the former Kathleen Ann Kreutz of Fargo, North Dakota.

His present position is as a graduate fellow, MIT, since 1965.

His parents are Mr. and Mrs. H. U. England, River Street South, West Fargo, North Dakota.

Dr. Karl G. Henize was born October 17, 1926 in Cincinnati, Ohio. He has a BA degree in mathematics from the University of Virginia, 1948, and a PhD in astronomy from the University of Michigan, 1954.

He is married to the former Caroline Rose Weber of Bay City, Michigan. The couple has three children: Kurt Gordon born 1955; Marcia Lynn, 1956; and Karen Skye, 1961.

His experience includes 1954-56 Carnegie fellow at Mt. Wilson Observatory, 1956-59 senior astronomer at the Smithsonian Astrophysical Observatory.

His present position is professor of astronomy at Northwestern University since 1959.

His parents are deceased.

Dr. Donald L. Holmquest was born April 7, 1939 in Dallas, Texas. He has a BS degree in electrical engineering from Southern Methodist University, 1962, an MD from Baylor College of Medicine, 1967, and a PhD in physiology, Baylor College of Medicine, expected in 1968.

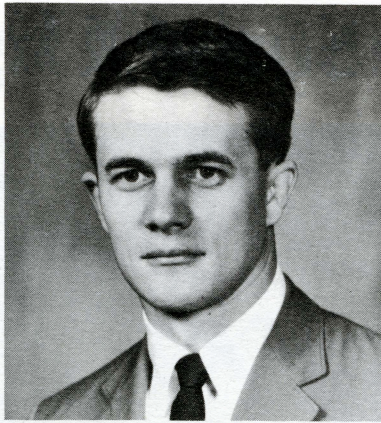
He is married to the former Charlotte Ann Blaha, daughter of Mr. and Mrs. J. E. Blaha, 4709 Hallmark, Dallas, Texas.

His present position is as an intern at Methodist Hospital here in Houston.

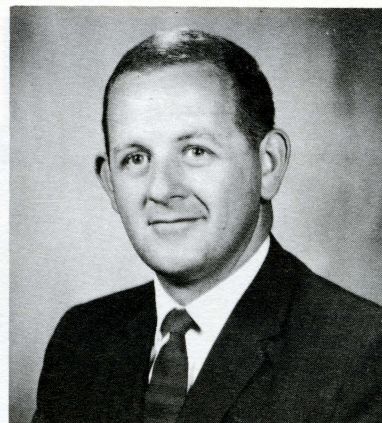
His parents are Mr. and Mrs. S. B. Holmquest, 615 Glen Arbor, Dallas, Texas.

Dr. William B. Lenoir was born March 14, 1939 in Miami, Florida. He has a BS degree in electrical engineering from MIT, 1962, an MS in electrical engineering from MIT, 1962, and a PhD in electrical engineering, MIT, 1965.

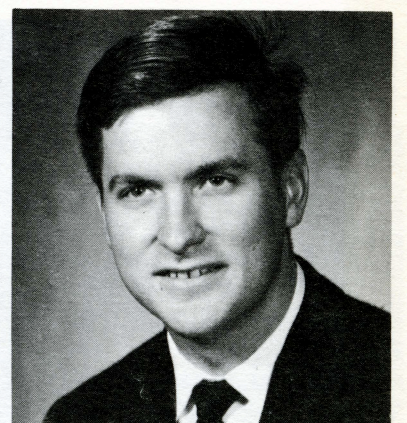
He is married to the former Elizabeth May Frost of Brookline, Massachusetts. The couple



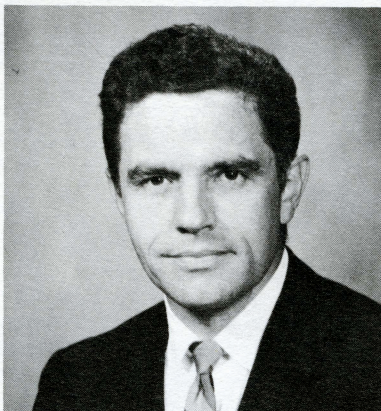
Dr. Joseph P. Allen



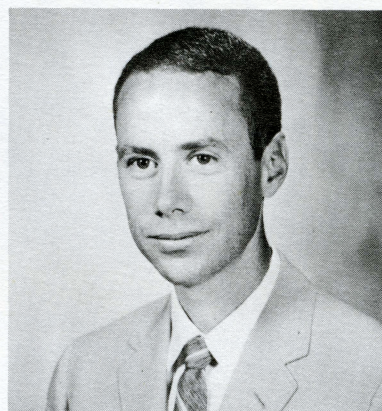
Dr. Philip K. Chapman



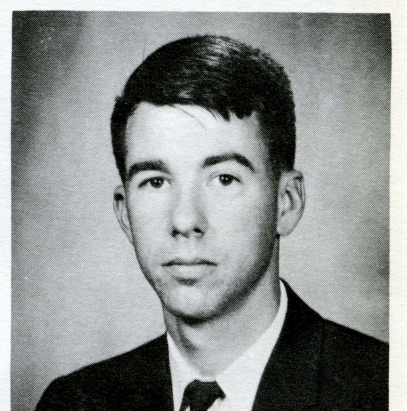
Dr. Anthony W. England



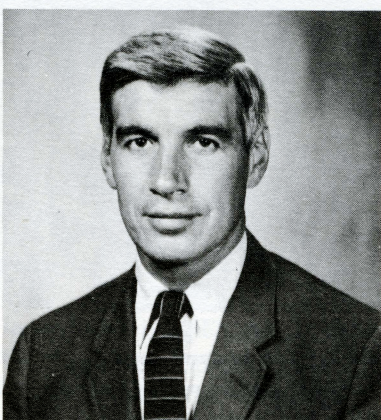
Dr. Karl G. Henize



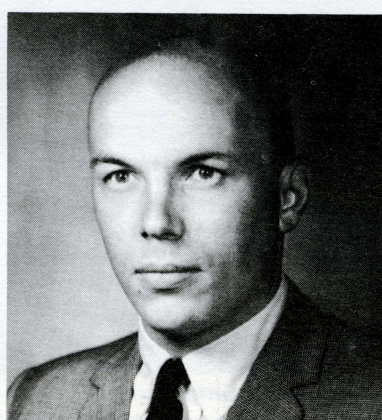
Dr. Donald L. Holmquest



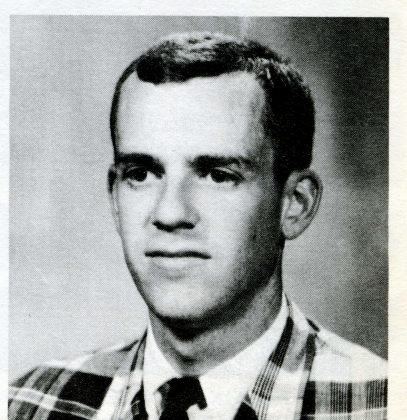
Dr. William B. Lenoir



Dr. John A. Llewellyn



Dr. Franklin S. Musgrave



Dr. Brian T. O'Leary

has one child, William B. Jr., born in 1965.

His present position is as assistant professor of electrical engineering at MIT since 1965.

His parents are Mr. and Mrs. S. S. Lenoir, 58570 West 31st, Miami, Florida.

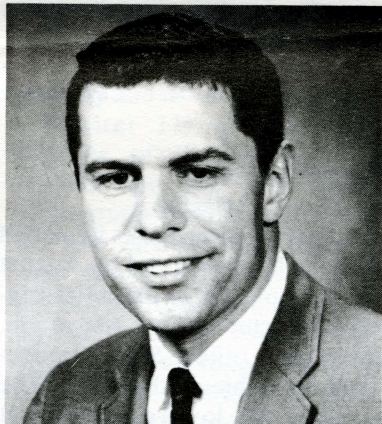
Dr. John A. Llewellyn was born April 22, 1933 in Cardiff, United Kingdom. He has a BS degree in chemistry from University College, Cardiff, 1955, and a PhD in chemistry from University College, Cardiff, 1958.

He is married to the former Valerie Davies-Jones, daughter of Mr. and Mrs. Francis I. Davies-Jones, Cardiff, Wales. The couple has three children: Gareth Roger born 1957; Sian Pamela, 1962; and Ceri Elummed, 1967.

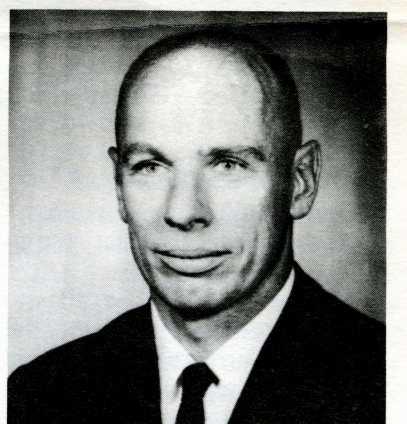
His experience includes 1958-60 research fellow, National Research Council, Canada. His present position is associate professor, Florida State University since 1960.

His parents are deceased. He obtained his U. S. citizenship February 17, 1966.

Dr. F. Story Musgrave was born August 19, 1935 in Boston, Massachusetts. He has a BS degree in statistics from Syracuse University, 1958, an MBA in operations analysis, University of California at Los Angeles, 1959, an AB in chemistry, Marietta College, 1960, an MD at Columbia University, 1964, an MS in biophysics, University of Kentucky, 1966, and a PhD in physiology, University of Kentucky 1966.



Dr. Robert A. Parker



Dr. William E. Thornton

He is married to the former Marguerite Patricia Van Kirk, daughter of Mr. and Mrs. Neil Van Kirk, Wayne, New Jersey. The couple has four children: Lorelie Lisa born 1961; Bradley Scott, 1962; Holly Kay, 1963; and Christopher Todd, 1965.

His present position is post-doctoral fellow at the University of Kentucky since 1965.

His parents are Mr. and Mrs. (stepmother) Percy Musgrave Jr., Stockbridge, Massachusetts.

Dr. Brian T. O'Leary was born January 27, 1940 in Boston, Massachusetts. He has a BA degree in physics from William College, 1961, an MA in astronomy from Georgetown University, 1964, and a PhD in astronomy from the University of California, Berkeley, 1967.

He is married to the former Joyce Whitehead, daughter of Mr. and Mrs. S. R. Whitehead, Route 2, Kennett Square, Pennsylvania.

His present position is as a NASA trainee in Space Science Laboratory of Astronomy, Uni-

versity of California. His parents are Mr. and Mrs. Frederick A. O'Leary, 4912 River Basin Drive, Jacksonville, Florida.

Dr. William E. Thornton was born April 14, 1929 in Goldsboro, North Carolina. He has a BS degree in physics from the University of North Carolina, 1952, and an MD from the University of North Carolina, 1963.

He is married to the former Elizabeth Jennifer Fowler, daughter of Mr. and Mrs. O. B. Fowler, England. The couple has two children William Simon born in 1959, and James, 1961.

His experience includes: 1956-62 director of Electronics Division, Del Mar Engineering Labs, Los Angeles; 1963-64 instructor, University of North Carolina Medical School; 1964-65 intern, Wilford Hall USAF Hospital, Lackland Air Force Base, San Antonio, Texas; 1965-67 USAF Aerospace Medical Division, Brooks Air Force Base, San Antonio, Texas.

His parents are deceased.