

Awards of the Space Medicine Branch

Our members often ask about the awards of the Space Medicine Branch; therefore, it is appropriate to provide the following excerpts from our by-laws detailing their descriptions and requirements.

The Hubertus Strughold Award will be presented each year to a member of the Space Medicine Branch for dedication and outstanding contributions in advancing the frontiers of Space Medicine, for sustained contributions to further the goals of the Space Medicine Branch, and whom best exemplifies the ideals of Hubertus Strughold.

The recipient of the award will be selected by the Awards Committee. Nominations for this award will be made by the members of the Executive Committee and by former recipients of the Hubertus Strughold Award. The nominations will be submitted 90 days before the Annual meeting. The award will be presented at the Annual Business Meeting of the Space Medicine Branch.

The Space Medicine Branch Young Investigator Award will be presented to a young investigator who is the first author of an outstanding paper (slide or poster) in the area of Space Medicine presented at the current or previous Annual Scientific Meeting of the Aerospace Medical Association. In addition to being the first author, the young investigator must be presenting at the Annual Scientific meeting for the first time. The Awards Committee will nominate the candidates to the Executive Committee which will select the recipient(s) by a majority vote. The award will be presented at the Annual Business Meeting of the Space Medicine Branch.

The Executive Committee would like to express its appreciation to the members of the Awards Committee.

Hubertus Strughold Award

Emmett B. "Bud" Ferguson, M.D.

Dr. "Bud" Ferguson is the recipient of the 1994 Space Medicine Branch Hubertus Strughold Award. Dr. Ferguson was born on a farm near Augusta, AR, and graduated college and medical school at the University of Oklahoma. He received his M.P.H. from Johns Hopkins University, Baltimore, MD. Following completion of internship at Or-



STRUGHOLD AWARD—The Hubertus Strughold Award of the Space Medicine Branch was presented to Emmet B. Ferguson, M.D., (right) by Jeff Myers, M.D., (left), Chair of the Awards Committee.

ange County Hospital, Orlando, FL, he joined the U.S. Air Force and began operational medical support of Strategic Air Command deployments. He completed the USAF Aerospace Medicine residency and became Director of Bioastronautics at Cape Canaveral Air Force Station/Patrick AFB, FL, where he supported Gemini and Apollo manned spaceflight missions, including management of the network of medical support stations from Cape Canaveral to the Indian Ocean (Eastern Test Range). Specifically, Dr. Ferguson studied the principals of circadian function described by Dr. Hubertus Strughold himself, and applied these principals in the operational setting, thus providing validation of Strughold's work, as well as improving the efficiency of ground personnel in support of manned spaceflight. This was only the beginning of his sustained efforts to improve the ground support of the space program through contributions to the development of occupational medicine.

After completing a residency in Internal Medicine, Dr. Ferguson continued support as Hospital Commander at a number of Air Force hospitals worldwide including theatre medevac at Wiesbaden, Germany, aeromedical consultations for Brooks, AFB, TX, and Wright-Patterson AFB, OH.

For more than a decade Dr. Ferguson has been the Director of Occupational Medicine and Environmental Health Services for the Base Operations Contractor at the Kennedy Space Center, FL. While in this position, he has developed a proactive stance in occupational medicine and environmental health, thus providing important protection for both astronauts and ground crew. In addition, Dr. Ferguson has personally provided launch-site emergency medical stand-by support for 50 or more manned launches.

A career so broad in scope, adapting to changing needs in the field while pursuing innovations to make continuing contributions, exemplifies the ideals of this award. As we add "Bud" Ferguson to the already venerable list of recipients, we further broaden the perspective and enlarge the legacy of the Hubertus Strughold Award.

Young Investigator Award

Phil Scarpa, M.D.

Phil Scarpa, M.D., is the recipient of the 1994 Space Medicine Branch Young Investigator Award. His presentation was entitled "The Effects of Ergotamine on the Cardiovascular Responses to Orthostatic Stress." The study demonstrated some potential protection from orthostatic stress provided by inhaled ergotamine (currently used to treat migraine headache). Possible applications, pending further study, might include use as a countermeasure during re-entry to IC or perhaps enhancement of G-tolerance in fighter pilots. Potential benefits for earth-bound subjects suffering from chronic orthostatic hypotension also come to mind. Dr. Scarpa completed this work during his Aerospace Medicine residency at Wright State University in Dayton, OH. He provided his own funding, working on a shoestring bud-

get, designing and building his own hardware, and performing every aspect of the preparation, experimentation, data collection, analysis, and interpretation by himself. This type of performance truly reflects the spirit of intent behind the Young Investigator Award.

This year's competition was again excellent, with 176 candidates. Right behind the winner were the following Honorable Mentions: Flight Lt. Nick Green, Royal Air Force, Biodynamics Division, Farnborough, U.K.; Dr. K. J. Sung, Space Biomedical Research Institute, NASA-Johnson Space Center, Houston, TX; Dr. Bill Huebner of KRUG Life Sciences, NASA-Johnson Space Center, Houston, TX; and Capt. James Slausen, Brooks AFB, TX.



YOUNG INVESTIGATOR'S AWARD—Chair of the SMB Awards Committee, Jeff Myers, M.D., (left) presents Philip J. Scarpa, Jr., M.D. (right) with the Young Investigator's Award for his paper entitled "The effects of ergotamine on the cardiovascular responses to orthostatic stress." The award was underwritten by KRUG Life Sciences, Inc.



SPECIAL PRESENTATION—Rhea Seddon (center) presents James P. Bagian (right), SMB President, and Frank Austin with the original gavel of the Space Medicine Branch, which was flown aboard the Space Shuttle. *K. Custodian of the Gavel*

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