This Constitution and By-Laws of the Space Medicine Branch of the Aerospace Medical Association was adopted at the Branch business meeting last year. Proposed amendments may be submitted before the 1980 meeting to the incoming President, Arnauld Nicogossian, 9215 Bayard Pl., Fairfax, VA 22032.

**CONSTITUTION**

**ARTICLE I**

Name and Headquarters

The name of this constituent organization of the Aerospace Medical Association shall be:

**SPACE MEDICINE BRANCH OF THE AEROSPACE MEDICAL ASSOCIATION**

The Headquarters of the Space Medicine Branch shall be the place where the Secretary-Treasurer has his office.

**ARTICLE II**

Object

This shall be a non-profit organization, whose object shall be:

To advance the science and art of the life sciences with special reference to problems existing at high altitudes and in space.

A. By stimulating scientific investigation and study.
B. By disseminating pertinent knowledge.
C. By establishing and maintaining cooperation between the biomedical and other sciences concerned with space medicine.

**ARTICLE III**

Membership

This organization shall be limited to individual membership as defined by the By-Laws.

**ARTICLE IV**

Officers

Officers in the Space Medicine Branch shall consist of the President, the President-Elect, who shall also act as Vice-President, the Secretary-Treasurer, and the Historian.

**ARTICLE V**

Meetings

The Space Medicine Branch shall meet at least once annually at the time and place of the Annual Convention of the Aerospace Medical Association. More frequent meetings should be encouraged.

**ARTICLE VI**

Committees

There shall be the following Standing Committees:
A. Executive Committee
B. Nominating Committee
C. Awards Committee

Other committees may be established by the President and the Executive Committee for specific functions.

**BY-LAWS**

**ARTICLE I**

Membership

Section A. Qualification and Election for Membership

1. Qualifications for membership are:
   - Be a Member or an Associate Member of the Aerospace Medical Association, and have demonstrated a genuine interest in advancing the science of space medicine.
2. Application for membership must be written upon the prescribed form and accompanied by the full amount of the annual dues. It should be forwarded to the Secretary-Treasurer.
3. Election to membership
   - Upon receipt of an application, the Secretary-Treasurer will review the application and if complete, forward the name and pertinent information to the Executive Committee.

**ARTICLE II**

Officers

Section A. Elected Officers

The Elected Officers shall consist of the President, the President-Elect, who shall also act as Vice-President, the Secretary-Treasurer, and the Historian.

Section B. President

The President shall preside at all meetings and shall serve as Chairman of the Executive Committee.

Section C. President-Elect

The President-Elect shall be elected annually and will serve for 1 year. The President-Elect shall familiarize himself with the duties of the President and shall perform such other functions as the President may designate.

Section D. The Secretary-Treasurer

The Secretary-Treasurer shall be elected and hold office for
a period of 2 years. The Secretary-Treasurer shall have duties usually performed by a Secretary and a Treasurer, and shall perform his duties as directed by the President and the Executive Committee.

Section E. The Historian
The Historian shall be elected and hold office for a period of 2 years. He shall be responsible for maintaining a history of the organization.

ARTICLE III
Commissions

Section A. Executive Committee
The Executive Committee will consist of the President, President-Elect, Secretary-Treasurer, Historian, the Immediate Past President, and six Executive Committee members elected from the general membership. Those elected will serve 3-year terms with two members elected each year. Election shall be by majority vote. The Executive Committee will meet at least once annually at the call of the President. Additional meetings may be called by the President.

Section B. Nominating Committee
The Executive Committee, at its annual meeting, will appoint five members of the Branch to the Nominating Committee for the ensuing year. The President will select one of these appointees to be the Committee Chairman. The Nominating Committee shall meet annually and nominate a slate of officers and two members of the Executive Committee. The nominations will be processed as described in Article VI, Section A and B, of the By-Laws.

Section C. Awards Committee
The Awards Committee will appoint the President and will meet annually to consider recipients for the Hubertus Strughold Award and the Space Medicine Branch Award.

Section D. Other Committees
Additional committees for specific purposes can be appointed by the President.

ARTICLE IV
Dues

Section A. Membership Dues
1. Membership Dues will be set by the Executive Committee and are payable annually on 1 January.
2. Only those members whose dues are paid will be allowed to vote.

Section B. Delinquencies
Members whose dues are not paid by 1 June of the year, will be considered delinquent and dropped from membership.

Section C. Reinstatement
Any member dropped for nonpayment of dues may be reinstated upon payment of dues for the current year.

NAS Studies Plane Design, Production, And Maintenance Policies in Use by FAA

The National Academy of Sciences is in the midst of a 6-month study of the FAA's processes in regulating aircraft design, production, and maintenance. The final report is due June 30.

The study by an NAS-appointed panel of experts is headed by George Low, now President of Rensselaer Polytechnical Institute and former Director of NASA's Apollo space program.

The contract study does not apply to general aviation aircraft or to planes which weigh less than 12,500 pounds. For other aircraft, the Academy panel, according to the contract, will "evaluate the quality of the process by which design, production and maintenance of aircraft are certified and the quality of the process by which technical standards, once adopted, are enforced, improved and adapted to changing circumstances."

But a broader responsibility charges the panel with evaluating the policies and assumptions by which decision-making authority is delegated, both within FAA and to outside companies... particularly the use and supervision of representatives designated by manufacturers as part of the certification process.

Neil Goldschmidt, Secretary of Transportation, said in announcing the study that the high quality of U.S. standards is evidenced by the U.S. safety records—in 1978 U.S. airlines had the most miles flown with the least number of accidents. Nevertheless, the DC-10 crash in Chicago raised questions about design and maintenance.

"We want to be able to assure the flying public that our procedures are sound and we want to improve them where improvements are warranted... We must guarantee buyers that this country produces the safest, most airworthy equipment in the world," Goldschmidt said.
Meetings

1980

April 10-11

April 13-17
Association for the Advancement of Medical Instrumentation, annual meeting, Hyatt Embarcadero, San Francisco, CA. Info: Renee Pietrangelo, AAMI, 1901 N. Fl. Meyer Dr., Arlington, VA 22209.

April 13-18
Federation of American Societies for Experimental Biology, annual meeting, Anaheim, CA. Info: Barbara Nichols, Office of Scientific Meetings, FASEB, 9650 Rockville Pike, Bethesda, MD 20014.

April 17-18
American Medical Association's 33rd National Conference on Rural Health. Seven continuing medical courses at the Sheraton Boston, Boston, MA. Info: American Medical Association, 535 Dearborn St., Chicago, IL 60610.

April 17-19

April 19-23

April 20-25

April 21-24

April 22-23

April 30-May 1-2

May 6-8

May 12-15

May 20-23

May 23-31
"Diving Medicine Update '80" at Lihue, Island of Kauai, by the University of Hawaii. Info: Dr. Edward L. Beckman, Dept. Physiology, University of Hawaii, Honolulu, HI 96822.

June 1-6

June 25-28
International Flying Nurses convention, 5th annual, Henry VIII Motor Inn, St. Louis, MO. Including June 26-27 seminar on civilian air ambulance work. Info: Jenny Cook, 420 Kings Ave., Apt. 3, Brandon, MC 35311.

July 5-10
Undersea Medical Society, Annual meeting, Athens, Greece. Info: Undersea Medical Society, Inc., 9650 Rockville Pike, Bethesda, MD 20014.

July 14-16
Intersociety Conference on Environmental Systems, 10th, at Town and Country Hotel, San Diego, Ca. AsMA is among the sponsors. Info: American Society of Mechanical Engineers, 345 E. 47th St., New York, NY 10017.

July 15-18
Institute of Electrical and Electronics Engineers' Conference on Nuclear and Space Radiation Effects, in Ithaca, NY. Info: IEEE, Conference Coordination, 345 E. 47th St., New York, NY 10017.

July 20-25
Flying Physicians Association, 26th annual meeting, Double Tree Inn, Monterey, CA. Info: FPA Headquarters, 801 Green Bay Rd., Lake Bluff, IL 60044.

September 8-11
International Congress of Aviation and Space Medicine, 28th, in Montreal. Info: P.O. Box 8100, Montreal, P.Q., Canada H3C 3N4.

September 11-12

September 15-18
Scientific Assembly, American College of Emergency Physicians, Las Vegas, NV. Info: ACEP, 3900 Capital City Blvd., Lansing, MI 48906.

September 15-19

September 16-19

September 21-28
Congress of the International Astronautical Federation, 31st, Takanawa Prince Hotel, Takanawa, Minato-ku, Tokyo, Japan. Info: Secretariat, XXXI Congress of IAF, World Trade Center Bldg., P.O. Box 12, Hamamatsu-cho 2-4-1 Minato-ku, Tokyo 105 Japan.

September 22-26
Department of Energy's Conference on Health Physics in Radiation Accidents, in Oak Ridge, TN. Info: DOE, P.O. Box 62, Oak Ridge, TN 37830.

September 24-27

September 27-October 1
Symposium on Engineering in Medicine and Biology sponsored by American Society of Mechanical Engineers and Institute of Electrical and Electronics Engineers, in Washington, DC. Info: ASME 345 E. 47th St., New York, NY 10017.
**September 29-October 4**


**September 30-October 2**


**October 12-16**

Annual Symposium of the Survival and Flight Equipment Association, Town & Country Hotel, San Diego, CA. Info: SAFE Association, P.O. Box 631, Canoga Park, Ca 91307.

**October 19-24**

66th annual Clinical Congress of the American College of Surgeons. Atlanta Hilton, Atlanta, GA. Info: Edwin W, Ger-rish, M.D., F.A.C.S., Assistant Director, ACS, 55 E. Erie St., Chicago, IL 60611.

**October 20-22**

Conference on Spectroscopic Methods for Biomedical Research, Battelle Laboratories, Columbus, OH, Oct. 20-21, followed Oct. 22 by a short course on Fourier Transform infrared spectroscopy as a biological tool. Info: Mrs. Karen L. Waite, Battelle's Columbus Laboratories, 505 King Ave., Columbus, OH 43201.

**November 3-6**


**December 8-10**

International Conference on Noise Control Engineering (INTER-NOISE 80), Hotel Inter-Continental, Miami, FL, on "Noise Control for the 80's." Info: Institute of Noise Control Engineering, P.O. Box 3206, Arlington Branch, Poughkeepsie, NY 12603.

**Noise Control meeting Dec. 8-10 in Miami**

INTER-NOISE 80—the 1980 International Conference on Noise Control Engineering—is scheduled for Dec. 8-10 at the Hotel Inter-Continental, Miami, FL.

A deadline for receipt of abstracts has been set at May 12 for contributors on such topics as machinery noise reduction at the source, impulse and impact noise, noise emission measurements, labeling, active noise attenuators, acoustical data banks, and noise control in industry.

Further information is available from the Institute at P.O. Box 3206, Arlington Branch, Poughkeepsie, NY 12603.

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**MEDICAL NEWS**

**50 Years Ago**

By Robert J. Benford, M.D.

The first issue of the Journal of Aviation Medicine dated March 1930, reveals that when Dr. Louis H. Bauer formally opened the inaugural meeting of the Aero Medical Association in Detroit on Oct. 7, 1929, he was already the "temporary president" of the new society although no election had been held.

Promptly, however, Dr. William P. MacCracken of Chicago, a WWI flight surgeon, "took the chair temporarily and the slate (of officers) reported by the nominating committee was unanimously elected. Dr. MacCracken then turned the chair over to Dr. Bauer," now officially the association's first President.

It was no coincidence that Dr. MacCracken played such a prominent role in the proceedings or that he had been chairman of the group's organizational meeting in Washington on Dec. 28, 1928. He was a widely-known physician, and a consultant, supporter, and confidant of Bauer from the beginning of his tenure in the Department of Commerce, as the nation's first medical director of aeronautics.

At this earlier meeting, held in Bauer's government office as a part of a conference attended by 29 newly-appointed aviation medical examiners (AMEs), Dr. MacCracken introduced the principal speaker—someone he knew well—with justifiable pride. The guest was the first director of U.S. aeronautics and assistant secretary of commerce, William P. MacCracken, Jr., his son, an attorney, WWI Army pilot, and Bauer's friend and superior. If additional medical qualifications were needed, the younger MacCracken's mother and uncle were also physicians.

This frail, though not covered fully in the journal, is an early example of the effective, strategic administrative skill that marked Bauer's eventual recognition as a leading American medical statesman. He planned well and left little to chance. But neither reported nor planned was MacCracken's resignation a year later at the time of the Detroit meeting—a political casualty following the 1929 inauguration of President Herbert Hoover, Coolidge's secretary of commerce. In listing the association's first honorary members, the journal gave only a hint of MacCracken's departure by identifying him as "former assistant secretary for aeronautics."

In his youth, Louis Bauer was lastingly impressed by the novel sight of the first airplane flying over his native Boston. He believed his interest in aviation and, subsequently, aviation medicine dated from this unforgettable occasion. A Phi Beta Kappa at Harvard College, he was elected to Alpha Omega Alpha on graduation from Harvard Medical School in 1913. Intrigued by the creation of an aviation section in the Army Signal Corps, he soon sought a commission in the Medical Corps and was the honor student of his Army Medical School class.

After duty assignments on the Mexican border and in the Philippines, he was ordered to Kelly Field, TX, in 1917 where his love affair with aviation medicine bloomed anew. Surely an 'achiever' in today's parlance, Bauer was chosen in 1919 to head the Air Service medical research laboratory at Hazelhurst Field, near Hempstead on Long Island—an air-drome soon to be known as Roosevelt Field whence, only 8 years later, Charles Lindbergh rolled down a runway enroute to Paris and posterity.

In the post-WWII era of lessened interest in aviation, depleted staff and facilities, and reduced funds, Bauer successfully met his first major challenge after a tragic fire, by moving his operations to nearby Mitchell Field and transforming the research laboratory and training courses into the world's first school of aviation medicine. In the initial graduation class on Dec. 16, 1922, there were 19 regular Army and Navy medical officers. The dedication of the Air Service Information Circular for March 1, 1923, was designated "Air Service Medical" and devoted entirely to 13 scientific reports by the school's faculty, including separate articles by Drs. Harvey J. Howard and Perc Dolman who gave their names to a long-recognized depth perception test. Early in 1925, Bauer learned that he had been selected to attend the Army War College in Washington.

And so, in the spring of 1926, it all came together for the young Army major just as though he had carefully planned it himself. President Coolidge signed the Air Commerce Act providing for the first time permanent regulation of all aviation. Williams & Wilkins, the Baltimore medical publishers, brought out Bauer's Aviation Medicine, which added to his reputation as the leader in the field. The Army moved the School of Aviation Medicine to Brooks Field, near San Antonio. On graduation from the Army War College, Bauer received orders to Fort Benning, Ga—the land of the infantry. And at the same time William MacCracken, Jr., was named the country's first administrator of aviation and was looking for a medical director of aeronautics.

Heber Holbrook, the FAA medical historian, recalled that the first director of civil aviation, Williams & Wilkins, the Baltimore medical publishers, brought out Bauer's Aviation Medicine, which added to his reputation as the leader in the field. The Army moved the School of Aviation Medicine to Brooks Field, near San Antonio. On graduation from the Army War College, Bauer received orders to Fort Benning, Ga—the land of the infantry. And at the same time William MacCracken, Jr., was named the country's first administrator of aviation and was looking for a medical director of aeronautics.

NBS Starts Library of Environmental Samples

The National Bureau of Standards has established the world's first facility for the systematic collection, analysis, and long-term storage of environmental samples.
Report on IAF Congress

Harold J. von Beckh, M.D., represented the Aerospace Medical Association at the 1979 Congress of the International Astronautical Federation. He was also Co-Chairman—along with E. A. Illyin (USSR)—of the IAF Bioastronautics Committee, which planned three Bioastronautics sessions at the Congress.

His summary follows:

Bioastronautics I: "Adaptation and Re-adaptation of Living Systems in Space Flight." Since the session chairmen A. S. Ushakov (USSR) and H. Sandler (USA) were absent, the session was conducted by A. D. Egorov (USSR) and H. L. Stone (USA). The session consisted of seven papers which were presented by G. Auster (FRG), C. G. Blomquist (USA), Z. Gierowski (Poland), E. I. Matsnev (USSR), J. Neubert (FRG), H. Saiki (Japan), and H. L. Stone (USA). The papers covered recent methods, and data of weightlessness simulation by head-down tilt (Blomquist, Matsnev) and by immobilization (Stone, Saiki); a study of the development of the vestibular system in frog larvae during simulated weightlessness (Neubert); a comparison of the vestibular functional characteristics between male and female human subjects (Auster); and selection procedures for astronaut candidates (Gierowski).

Paper No. 79-81 was withdrawn.

Bioastronautics II: "Biotechnology." Session chairman R. S. Johnston (USA) was not able to attend the congress. The session was conducted by session chairman E. C. Burchard (FRG). The session was comprised of nine papers presented by A. O. Brouillet (USA), A. D. Egorov (USSR), W. Elkins (USA), J. R. Hordinsky (FRG), R. W. Murray (USA), P. Stampfl (FRG), R. von Baumgarten (FRG) and H. M. Wegmann (FRG). The papers covered a broad scope of biotechnology related to manned space missions, including the development of novel space suits (Elkins), the space shuttle extravehicular mobility unit (Brouillet); ergonomic aspects of extravehicular activities of the Spacelab (Stampfl); the use of Lower Body Negative Pressure (LBNP) for measuring orthostatic tolerance before and after simulated weightlessness (Hordinsky); adaptation of payload specialists to circadian shifting during simulated space missions (Wegmann); apparatus for vestibular testing in the Spacelab (von Baumgarten); and food and waste management for the space shuttle (Murray).

Bioastronautics III: "The Clinical Aspects of Space Flight." Session chairman A. V. Beregovkin (USSR) was absent. The session was conducted by session chairman E. A. Lauschner (FRG). Seven papers were presented by K. Draenert (FRG), A. D. Egorov (USSR), R. Frey (FRG), G. Leguay (France), G. I. Murphy (USA), H. G. Mutge (FRG), and W. Rueter (FRG). The papers addressed numerous clinical aspects of present and future space missions including: The results of medical observations and data gained during the Salut 6-Soyuz flights (Egorov); selection, training and health care of payload specialists for Shuttle and Spacelab missions (Murphy); emergency medical care and apparatus for surgical interventions (including childbirth) in weightlessness (Frey, Mutge); radiation protection in space craft (Rueter), cardiological aspects and therapeutic means during space flight (Leguay); and bone developmental changes in dogs due to inactivity (Draenert). Papers No. 79-102 and 103 were withdrawn.

The session chairmen and speakers deserve our gratitude for the excellent preparation of the sessions and the high scientific level of the presented papers.

For the 1980 IAF Congress, scheduled for Sept. 21-28 in Tokyo, Japan, the Committee has planned these sessions:

Bioastronautics I: "Medical Diagnostic, Therapy, Prophylactics, and Rehabilitation for Space Flight Personnel." Co-Chairmen: S. BARANSKI (POLAND), and K. E. KLEIN (FRG).

Bioastronautics II: "Medical and Biological Methods for Space Research and Their Possible Applications on Earth." Co-Chairmen: A. D. EGOROV (USSR), and P. HOWARD (UK).

Bioastronautics III: "Biotechnology and Human Factors Aspects in Space Flights." Co-Chairmen: R. S. JOHNSON (USA), and M. OSHIMA (JAPAN).

Occupational Health Workers to Meet

More than 3,500 occupational health physicians, nurses, public health officials, industrial hygienists, safety engineers, and management representatives are expected April 20-25 for the 1980 American Occupational Health Conference, which will be held at the Detroit Plaza Hotel and at Cobo Hall, Detroit, MI.

The conference combines the annual scientific and business meetings of both the American Occupational Medical Association and the American Association of Occupational Health Nurses. Also offered will be 16 postgraduate seminars for physicians and 41 continuing education offerings for nurses.

Physicians programs are available from the American Occupational Medical Association, 150 N. Wacker Dr., Chicago, IL 60606. Nurses programs can be obtained from the American Association of Occupational Health Nurses, 575 Lexington Ave., New York City, NY 10022.

Two Aero Specialists' Meetings Scheduled By AGARD's AMP

Two aerospace specialists meetings are scheduled this year by the Aerospace Medical Panel (AMP) of NATO's Advisory Group for Aerospace Research and Development (AGARD).

May 20-23 at the SAS Hotel in Bodø, Norway, sessions will be on "Aircrft Survivability (Limited to Combat Aircraft)," and Spatial Disorientation in Flight: Current Problems.” Sept. 15-19 in Toronto, Canada, the sessions will be on "The Effect of Long-Term Therapeutics, Prophylaxis, and Screening Techniques on Aircraft Medical Standards," and "Toxic Hazards in Aviation."

Attendance at the sessions is by invitation only and normally restricted to citizens of NATO nations. Invitations to attend, however, may be sought from national delegates of the applicant's nation, whose names and addresses can be obtained from AGARD.

Officers of the AMP are: Chairman—Dr. B. O. Hartman, USAF School of Aerospace Medicine/VN (AFSC), Brooks AFB, TX 78235, U.S.A.; Deputy Chairman—Col. Medecin J. Bande, Quartier Roi Albert 1st (VSM), Rue de la Fussée 70, B-1130 Brussels, Belgium; Panel Executive—Lt. Col. F. Moneis IAF, MC, AGARD/NATO, 7 Rue Ancelle, 92200 Neuilly-sur-Seine, France.

Deputy Chairman Bande is chairman of both sessions for the May meeting.

For the September meeting, chairmen are Gp. Capt. C. E. Simpson, RAF, and CDR L. Jenkins, USN.