Space Medicine Branch Report

Send information for publication on this page to:

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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 atitudes 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.

ARTICLE VII

Funds

Funds shall consist of the annual dues collected from each Member, and shall be used primarily for covering administrative expenses during the ensuing year, or any other purpose determined by the Executive Committee.

ARTICLE VIII

Amendments

This Constitution may be amended at any annual meeting of the Space Medicine Branch by a two-thirds vote of those voting members present, or by mail ballot. In both cases, the proposed amendment must be sent to all members 60 days prior to the voting date.

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. The Executive Committee will review the application and notify the Secretary-Treasurer of the Committee's decision.

ARTICLE II

Officers

Section A. Elected Officers

The Elected Officers shall consist of the President, the President-Elect, 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. In the event the President is incapacitated or otherwise unable to act, the President-Elect shall act as President for the period of such incapacity.

The President-Elect shall automatically succeed to the Office of the President annually and serve for 1 year or until his successor assumes office at the close of the annual business meeting.

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

Committees

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 be appointed by 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

Ducs

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.

ARTICLE V Awards

Section A. Hubertus Strughold Award

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 furthering the goals of the Space Medicine Branch; and who 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 to the Chairman of the Awards Committee before 15 January of each year. The award will be presented at the annual business meeting of the Space Medicine Branch.

Section B. Space Medicine Branch Award

The Space Medicine Branch Award will be presented to a junior scientist who is the author of an outstanding paper in the area of space medicine presented at the last two Annual Scientific Meetings, or published in the official journal of the parent organization within the preceding 2 years. The Awards Committee will nominate the candidates for the Executive Committee, which will select the recipient by majority vote. The award will be presented at the Annual Business Meeting of the Space Medicine Branch.

ARTICLE VI

Election Procedures

Section A. Nominations

The Nominating Committee will nominate two candidates for each office, and two candidates for each of the two positions on the Executive Committee. The Chairman of the Nominating Committee will contact the nominees to determine their willingness to serve and will mail his report to the Secretary-Treasurer to arrive not later than 15 September of each year.

Section B. Ballots

The Secretary-Treasurer will prepare the ballots, which will list for each office the candidates selected by the Nominating Committee. For each office, one dotted line will be included for a write-in nominee. The ballots will be mailed to all active members not later than 15 December. The members will return the completed ballots to the Secretary-Treasurer to arrive not later than 15 February. The election results will be announced at the Annual Business Meeting of the Space Medicine Branch.

ARTICLE VII

Amendments

Proposed amendments to the By-Laws shall be handled in the same manner as are amendments to the Constitution (Article VIII).

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. portation, 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.

Neil Goldschmidt, Secretary of Trans-

Meetings 1980

April 10-11

Conference on "Critical Issues in Health Law," sponsored by the American Society of Law & Medicine. Copley Plaza Hotel, Boston, Ma. Info: ASL&M, 520 Commonwealth Ave., Boston, MA 02215.

April 13-17

Association for the Advancement of Medical Instrumentation, annual meeting, Hyatt Embarcadero, San Francisco, CA. Info: Renee Pietrangelo, AAMI, 1901 N. Ft. 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

American Cancer Society National Conference on Cancer Prevention and Detection, Palmer House, Chicago, Il. Info: Nicholas G. Bottiglieri, M.D., American Cancer Society, 777 Third Ave., New York, NY 10017.

April 19-23

International Academy of Chest Physicians and Surgeons, Second Pan American Congress on Diseases of the Chest, Rio de Janeiro, Brazil. Info: Jesse P. Teixeira, M.D., Caixa Postal 370, Rio de Janeiro, R.J., 2000, Brazil.

April 20-25

American Occupational Health Conference, Detroit Plaza Hotel, Detroit, MI, combining annual meetings of American Occupational Medical Association and the American Association of Occupational Health Nurses. Info: AOMA, 150 N. Wacker Dr., Chicago, IL 60606, or AAOHN, 575 Lexington Ave., New York, NY 10022.

April 21-24

Annual session, 61st, of American College of Physicians, New Orleans Hilton, New Orleans, LA. Theme: "Basic Aspects of Aging." Info: ACP, 4200 Pine St., Philadelphia, PA 19104.

April 22-23

Rocky Mountain Bioengineering Symposium, 17th Annual, U.S. Air Force Academy, Colorado Springs, Co. Info: Dr. David R. Carroll, Dept. Electrical Engineering, USAF Academy, Co 80840.

April 30-May 1-2

Annual Pittsburgh Conference on Modeling and Simulation, 11th annual, sponsored by School of Engineering, University of Pittsburgh. Info: William G. Vogt or Marlin H. Mickle, 348 Benedum Engineering Hall, University of Pittsburgh, Pittsburgh, Pa 15261.

May 6-8

National Symposium and Exhibition by the Society for the Advancement of Material and Process Engineering, on "The 1980s—Payoff Decade for Advanced Materials," at the Town and Country Hotel, San Diego, Ca. Info: Marge Smith, SAMPE, Box 613, Azusa, Ca 91702.

May 12-15

Aerospace Medical Association, 51st annual meeting, Disneyland Hotel, Anaheim, Ca. Info: Aerospace Medical Association, Washington National Airport, Washington, DC 20001.

May 20-23

Aerospace specialist meeting by the Aerospace Medical Panel of NATO'S AGARD. SAS Hotel, Bod, Nodway, Info: Panel Executive, Lt. Col. F. Monesi, IAF, MC, AGARD/NATO, 7 rue Ancelle, 92200 Neuilly-sur-Seine, France.

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

Research Institute of Applied Electronic's International Symposium on Biotelementry, in Sapporo, Japan. Info: RIAE, Hokkaido University, Kita 12, Nishi 6, Kita-Ky, Sapporo, Japan.

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, FL 33511.

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

AMA Congress on Occupational Health, 40th annual, Salt Lake Hilton Hotel, Salt Lake City, UT. Info: Barbara S. Jansson, Dept. Environmental, Public, and Occupational Health, American Medical Association, 535 N. Dearborn St., Chicago, IL 60610.

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

Aerospace specialist meeting by the Aerospace Medical Panel of NATO'S AGARD. Toronto, Canada. Info: Panel Executive, Lt. Col. F. Monesi, IAF, MC, AGARD/NATO, 7 rue Ancelle, 92200 Neuilly-sur-Seine, France.

September 16-19

International Aeromedical Evacuation Congress, Hilton Hotel, Munich, W. Germany. Info: Allgemeiner Deutscher Automobil-Club e.V., Sekretariat, Int. LuftrettungskongreB, Baumgartnerstr. 53, D8000 Munchen 70, W. Germany.

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

Conference of Society for Computer Medicine, 10th annual, San Diego Hilton, San Diego, CA. Theme: "The Human Side of Computers in Medicine." Info: SCM, 1901 N. Ft. Meyer Dr., Suite 602, Arlington, VA 22209.

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

International Federation for Information Processing's World Conference on Medical Informatics, in Tokyo, Japan. Info: IFIT Secretariat, 3 rue du Marche, CH-1204 Geneva, Switzerland.

September 30-October 2

Conference on Engineering in Medicine and Biology, 33rd annual, Washington Hilton Hotel, Washington, DC. Info: ACEMB, Suite 404, 4405 East-West Highway, Washington, DC 20014.

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. Gerrish, 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

6th International Symposium on Basic Environmental Problems of Man in Space, sponsored by the International Academy of Astronautics. Bonn, W. Germany. Info: International Academy of Astronautics, 250 Rue Saint-Jacques, 75005 Paris, France.

December 8-10

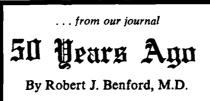
International Conference on Noise Control Engineering (INTER-NOISE 80), Hotel Inter-Continental, Miami, FL, on "Noise Control for the 80's." Info: Institute of Noise Control Engineering, P.O. Box 3206, Arlington Branch, Poughkeepsie, NY 12603.

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.



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. Mac-Cracken 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. Mac-Cracken 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 incident, 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 Mac-Cracken'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 airdrome 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-WWI 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 Mitchel 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 80-page issue 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-respected 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 government regulation 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.

Heber Holbrook, the FAA medical historian, recalled that "the secretary of commerce made a special request of the secretary of the army to release Dr. Bauer so he could be appointed the first director of the Aeronautics Branch \ldots on 16 Dec. 1926. He is overwhelmingly accorded the honor of being the founder of civil aviation medicine in the United States."

NBS Starts Library Of Environmental Samples

The National Bureau of Standards has established the world's first facility for the systematic collection, analysis, and longterm storage of environmental samples.

Report on IAF Congress

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

His summary follows:

Bioastronautics I: "Adaptation and Readaptation of Living Systems in Space Flight." Since the session chairmen A. S. Ushakow (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. Aust (FRG), C. G. Blomquist (USA), Z. Gierowsi (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 (Aust); and selection procedures for cosmonaut 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 (EMU) and the environmental/thermal control unit (Brouillet); ergonomic aspects of extravehicular activities of the Salyut 6 mission (Egorov) and 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 Salyut 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, Mutke); radiation protection in space craft (Rueter), cardiological aspects and therapeutic means during space flight (Leguay); and bone developmental changes in dogs due to in-activity (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.



HIGHEST HONOR—Luis Amezcua G., M.D., right, receives the Emilio Carranza Medal the nation's highest honor for work in civil aviation medicine—from ing. Miquei Angel Barberena, Under Secretary of Communications & Transportation. Dr. Amezcua, Director of the National Center for Aviation Medicine, was presented the award during National Aviation Week ceremonies. The award presentation cited "his continuous and outstanding work in the field of aviation medicine, and his contributions to air safety in civil aviation."

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 Bodo, Norway, sessions will be on "Aircrew 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 I^{er} (VSM), Rue de la Fusee 70, B-1130 Brussels, Belgium; Panel Executive-Lt. Col. F. Monesi IAF, MC, AGARD/NATO, 7 Rue Ancelle, 92200 Neuilly-sur-Seine, France.

Deputy Crairman 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.