

Laurels for 1973

Here are the people we think made meritorious contributions to the world of aerospace during 1973:

- **William P. Clements, Jr.**, deputy secretary of defense, for his hard-nosed realism in demanding practical operational requirements from the military services and accurate cost performance from contractors and forcefully and candidly projecting defense procurement needs to Congress.
- **Maj. Gen. Benjamin Peled**, commander of the Israeli air force, for the magnificent performance of the command he directed in the October War facing tougher opposition, more complex problems and more critical responsibility than the air force faced during the 1967 war and achieving even more decisive results.
- **Lucien Servanty**, technical director of Aerospatiale, for a lifetime of advancement of the aeronautical state of the art, which ended in October.
- **Arthur Kelly**, president of Western Airlines, for leading his airline into a highly efficient and profitable operation after taking over the helm shortly after the CAB's disapproval of Western's merger with American.
- **William Podolny**, manager of Pratt & Whitney Aircraft's fuel cell program, for bringing a new technology developed for the Apollo program to a state of the art where it is practical for widespread public utility power applications in the energy crisis.
- **Charles A. Sewell**, Grumman chief test pilot, for his highly skilled test flying of the F-14 fighter in the low-speed, high-angle-of-attack envelope and testing of spin-prevention avionics hardware that has made a significant contribution in enabling a pilot to obtain maximum combat performance from the aircraft without risking loss of control.
- **Jean Franchi** and **Gilbert Defer**, pilots of the Anglo-French Concorde pre-production prototype, for their demonstration of the supersonic transport in a practical airline routine during their epochal operation across the Atlantic to North and South America.
- **Kenneth Richardson**, Phoenix missile division manager for Hughes Aircraft Co., and **Cdr. John C. Weaver**, Navy deputy F-14 program manager for Phoenix, for their combined efforts to develop the long range AIM-54 air-to-air missile and bring it to operational effectiveness as a major improvement in air defense capability.
- **Sergei K. Tumansky**, leading gas turbine engine designer in the USSR, for a lifetime of contribution to advanced jet engine development, which ended this year.
- **Richard O'Melia** of the Civil Aeronautics Board and **Patrick J. Brennan** of the International Air Transport Assn. for their leadership in vigorous and realistic enforcement campaigns against illegal fares and charters, slapping heavy fines on flagrant airline violators and making them stick.
- **Sen. Henry M. Jackson** (D.-Wash.), for his persistently perceptive and realistic appraisal of the pitfalls developing in the whole fabric of U. S.-USSR detente, from the trading away of U. S. strategic superiority at SALT to the one-sided technological

trade deals proposed by the Soviets, and for standing firm in his position despite intense Administration pressure.

- **Kenneth S. Kleinknecht**, Skylab project manager, **Eugene Kranz**, chief flight controller, and his five operational controllers, **Philip Shaffer**, **Donald Puddy**, **Milton Windler**, **Charles Lewis** and **Neil Hutchinson**, for their work in operating around Skylab systems damage and malfunctions, which kept Skylab functioning through three historic and scientifically productive missions that would otherwise have been aborted.
- **Jack Kinzler** and his technical services division at NASA's Johnson Space Center for their six-day emergency design and development of the solar parasol that kept Skylab operational.
- **Richard Geiselhart**, experimental psychologist, crew station design facility at USAF Aeronautical Systems Div., for his continuing contributions to crew safety and effectiveness through research on control systems and instrumentation.
- **Nikolai Kamov**, who headed his own design bureau in the USSR from 1948 until his death last month, for a lifetime of contributions to helicopter development.
- **Rowland E. Brown**, head of Boeing's 747 product development program, who revitalized the giant jet production future with such innovations as the special performance (747SP) version and new cargo applications.
- **Donald Button** and **Frank C. Black** of the Canadian Air Transportation Administration, for their work in developing a practical STOL traffic control and navigation system in highly congested metropolitan areas, making possible the first true city-center STOL airline operation between Ottawa and Montreal.
- **Bernard J. O'Brien**, program manager, and **Herb Lassen**, spacecraft designer, both of TRW, Inc., Systems Group, for their contributions to the Pioneer 10 spacecraft that voyaged 525 million mi. to Jupiter and transmitted basic new data on this planet, including the picture on the cover of this issue.
- **Robert D. Hofstetter** of NASA Ames Research Center and **Walter L. Natzic** of Bendix Field Engineering Corp. for directing the Pioneer mission control center that successfully guided Pioneer 10 on its flight to Jupiter. **Louis A. Watts** and **Samuel Pellicori** of Santa Barbara Research Center for designing Pioneer 10's imaging system and **Ralph Baker**, University of Arizona, who designed the realtime viewing system.
- **Beverly Jean Raposa**, Eastern Airlines Lockheed L-1011 stewardess, for her heroic conduct in directing the rescue of survivors after the crash of her aircraft in the Everglades swamps last Dec. 29. Although suffering serious internal injuries, she led survivors out of the waist-deep water to higher ground, shouted warnings against lighting matches in the dark swamp to prevent igniting aircraft fuel spillage and calmed the injured by leading them in Christmas carols that also helped ground searchers locate the site where 99 others died. —**Robert Hotz**