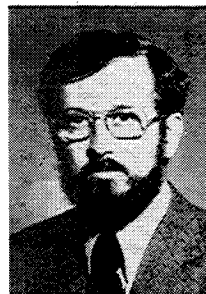
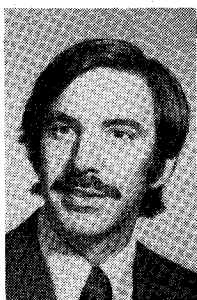
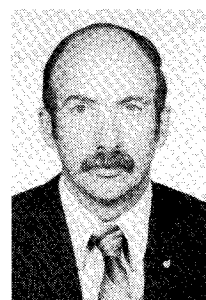
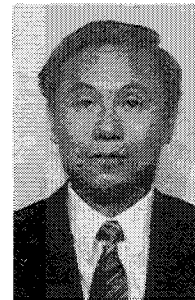


**Robert E. Duffy****Franklin E. Eastep****Lars E. Ericsson****Ronald A. Hess****Harry H. Heyson****John L. Porter****Craig D. Simcox****E. David Spong****Thomas M. Weeks****T. Y. Yang**

The 1984 Team: Now We Are Ten

IT is my pleasure to announce the 1984 team of Associate Editors for the Journal of Aircraft. As you can see, we've grown to ten in number. Please look them up at technical meetings and talk to them about your journal; they are responsible for its content.

Robert E. Duffy

Robert E. Duffy is an Associate Professor of aeronautical engineering and astronautics at Rensselaer Polytechnic Institute. Dr. Duffy received his degrees from Rensselaer. He has worked as an aeronautical engineer at Wright-Patterson Air Force Base, as a research engineer at Grumman Aerospace Corporation, and as a consultant to numerous corporations. He is currently the technical director of Panaflight Corporation. His professional society affiliations include membership in the American Helicopter Society of Mechanical Engineers, and the AIAA, in which he is an Associate Fellow. An author of over 45 articles and papers, Professor Duffy is currently investigating non-steady flow effects on the aerodynamic characteristics of rotorcraft as a member of the ARO Rotorcraft Center of Excellence recently established at Rensselaer.

Franklin E. Eastep

Franklin E. Eastep is a Professor and Director of aerospace engineering at the University of Dayton. He received a B.S. from Ohio State University in 1958, an M.S. from the Air Force Institute of Technology in 1963, and a Ph.D. from Stanford University in 1968. Dr. Eastep has been teaching and conducting research within the technical areas of structural dynamics, aeroelasticity, and unsteady aerodynamics since 1968. During this period of time he has been the principal thesis advisor for five doctoral students and over 25 master's students. He served on active duty with the U.S. Air Force for 20 years and retired in 1978. Dr. Eastep is a member of the American Academy of Mechanics, an Associate Fellow of the AIAA, and a member of the AIAA Structural Dynamics Technical Committee.

Lars E. Ericsson

Lars E. Ericsson is a Senior Consulting Engineer in the Engineering Technology Organization of Lockheed Missiles and Space Corporation, Inc., Sunnyvale, California, where he acts as a consultant to Satellite and Missile Systems Divisions on problems associated with aeroelasticity and vehicle dynamics. Before joining Lockheed Aircraft Corporation in 1956, and LMSC in 1959, he was with the Aeronautical Research Institute of Sweden and the Swedish Aircraft Company, SAAB. Dr. Ericsson received his M.S. degree from the Royal Institute of Technology (KTH), Stockholm, in 1949, and his Ph.D. in 1972. He is an Associate Fellow of the American Institute of Aeronautics and Astronautics and is a member of the American Helicopter Society. Dr. Ericsson has published over 100 papers in his related fields.

Ronald A. Hess

Ronald A. Hess is an Associate Professor in the Department of Mechanical Engineering at the University of California, Davis. He received the B.S., M.S., and Ph. D. degrees in aerospace engineering from the University of Cincinnati in 1965, 1967, and 1970, respectively. After completing his doctoral work, he joined the faculty of the Department of Aeronautics at the Naval Postgraduate School in Monterey, California. In 1976, Dr. Hess joined the staff in the Flight Systems Research Division at NASA Ames Research Center. At NASA, he conducted research in the areas of aircraft handling qualities, control/display and design, and manual control theory. In the fall of 1982, he assumed his present position at the University of California, Davis.

Dr. Hess' current research interests lie in the areas of automatic and manual control of aircraft. He is a Member of AIAA and Sigma Xi, and is also an Associate Editor of the *IEEE Transactions on Systems, Man and Cybernetics*.

Harry H. Heyson

Harry H. Heyson earned his BAeE, cum laude, at the Polytechnic Institute of Brooklyn in 1949. He received his M.S. in AE degree from Virginia Polytechnic Institute in 1958.

Mr. Heyson joined the staff of NACA's Langley Laboratory in 1949. His research at NACA and NASA has resulted in over 70 papers on the theoretical and experimental aspects of helicopter and V/STOL induced flow fields, ground effects, and wind-tunnel wall effects as well as on innovative new aircraft concepts. He is a frequent lecturer in university short courses and helicopter safety seminars.

Mr. Heyson is currently the Vehicle Integration Manager in the Langley Research Center's Aeronautical Systems Office. He oversees studies of future aircraft, both civil and military, throughout the speed range from low subsonic to supersonic.

Mr. Heyson is an Associate Fellow of the AIAA and a member of the American Helicopter Society.

John L. Porter

John L. Porter received his B.S. in Aeronautical Engineering with distinction from the University of Kansas, an M.S. in Aeronautics from the California Institute of Technology, and a D.Sc. in Applied Mechanics from Washington University, where he also taught. He is a member of Sigma Gamma Tau and Tau Beta Pi honorary fraternities.

Dr. Porter is presently with the LTV Vought Corporation's Missiles and Advanced Programs Division as Manager of Advanced Air Launched Missiles with responsibility for advanced research and development studies and applications. Prior to joining Vought in 1976, he was Manager, Systems Engineering for Redifon Simulations, Inc., where he directed research and development activities in the area of computer-generated image visual systems.

From 1963 to 1974, Dr. Porter held various technical and managerial positions with the McDonnell Aircraft Corporation, where he contributed to a variety of aero propulsion related programs. In addition, he made key contributions to an Engine Cycle Evaluation Procedure, conceived the Modified Rutowski method of flight path optimization with variable throttle, and directed an Inlet/Aircraft Drag Investigation program connected with the F-15 Eagle, which received the Air Force's Outstanding Program award.

Dr. Porter is a past recipient of the SAE Wright Brothers' Award for the paper his co-authored paper on the integration of flight and propulsion controls. He is a past member of the AIAA V/STOL Aircraft Systems and Thermophysics Technical Committees.

Craig D. Simcox

Craig D. Simcox received his B.S.A.E. from Iowa State University in 1962; his M.S.A.E. from Stanford University in 1965; and his Ph.D. from Purdue University in 1969. He was employed at NASA Ames Research Center from 1962 to 1965. Studies there included aerodynamics of preliminary SST designs, gasdynamic effects of planetary atmospheres, and development of low temperature ablaters for model testing.

In 1965 he was admitted to Purdue University where he conducted research on shock wave attenuation and acoustic-turbulent interactions with application to free jet spreading.

Since joining The Boeing Company, Dr. Simcox has worked in research and management on the Noise Technology Staff. His first research was to study the noise generated by hot and cold choked jets with emphasis on shock-related noise fields. Research included jet noise characteristics and noise

characteristics of coannular (bypass) jets, in-flight effects, and suppressor systems. He served as program manager on several proposal teams and contracts including manager for Task III of the DOT/SST Follow-On contract to develop efficient means of noise suppression. He is currently Noise Technology Laboratory Chief.

Dr. Simcox is a Fellow of the AIAA.

E. David Spong

E. David Spong is a propulsion manager in the Advanced Aircraft Division of the McDonnell Aircraft Company. Currently, he is responsible for the integration of propulsion and thermodynamics systems into advanced aircraft. He has over 20 years experience in airbreathing propulsion system design and development with both airframe and engine companies, including the F-15 and F-4 projects. He received a B.Sc. from the University of London, England in 1960, a M.Sc. from the University of Missouri, Rolla in 1968, and a D.Sc. from Washington University, St. Louis in 1972. Dr. Spong is a member of the AIAA and a past member of the AIAA Airbreathing Propulsion Technical Committee.

Thomas M. Weeks

Thomas M. Weeks completed his degree work at Syracuse University, Department of Mechanical and Aerospace Engineering in 1965. Dr. Weeks entered active commissioned service that year, assigned to the Air Force Flight Dynamics Lab at Wright Patterson AFB, Ohio. He chose to work in the area of electrogasdynamics at the nearly completed 50 megawatt facility. In 1968, he separated from the Air Force but chose to remain at the same location working as a civilian.

He was assigned in 1972 to the Analysis Group attached to the Aeromechanics Staff working on transonic wind tunnel wall interference. Then, in 1976, he became Tech Manager of the External Aerodynamics Group of the Aerodynamics and Airframe Branch. He is currently the deputy manager of the X-29A (advanced technology demonstrator) Program in the Air Force Wright Aeronautical Laboratories.

Dr. Weeks is an Associate Fellow of the AIAA.

T. Y. Yang

Henry T. Y. Yang is a Professor and Head of the School of Aeronautics and Astronautics at Purdue University. He received his B.S. from National Taiwan University in 1962, his M.S. from West Virginia University in 1965, and his Ph. D. from Cornell University in 1968. He has been teaching and researching at Purdue since 1969. His areas of specialty are aircraft structures, dynamics, and materials. He has authored and co-authored 65 archival journal articles plus several dozen conference proceedings papers in these areas. He is an Associate Fellow of AIAA.

Now let's preview what's coming up in your journal this year. Many of the most recent developments in aircraft technology will be presented in design application format. You can look forward, for example, to articles on post-stall maneuver, circulation control wing, over-the-wing nacelles, composite applications, wind shear hazards, active flutter suppression, etc. Recent applications of newly emerging prediction methods will be described. These include PAN AIR, flyover noise, aeropropulsion CFD, Pandora, fatigue and crack propagation, etc.

In September of 1982 we started a new preacceptance procedure. This was described in my January 1983 editorial. Though the new procedure has increased the workload on the Associate Editors, it's also reduced significantly the average time lag before publication. Reducing the time lag is a personal commitment on my part, and I will continue my efforts in this area. You can assure minimum publication delays by adhering to the manuscript preparation information on the inside back cover of a recent copy of the Journal. The biggest

single problem is with overlength papers. Substantially overlength papers will be returned to you for shortening prior to formal review.

Page Charges

I've been asked to discuss page charges. Most authors arrange for payment of requested page charges (see inside front cover opposite). If you're among them, you might want to skip on to the next paragraph. Payment of page charges is expected for all the journals of the AIAA. Journal survival is largely dependent on these page charges. The current magnitude of uncollected page charges is significant enough to bring the matter to your personal attention. Recognize that the net result is further increases in subscription and page charge fees. Many of you are under government grant or contract sponsorship. In most cases, specific provision is made in the contract for payment of these charges. I encourage all authors to respond to our request for payment of page charges.

Recognition

On a more pleasant final note, I'd like you to join with me in recognizing several groups of dedicated individuals whose contributions make the Journal of Aircraft possible. First, the

New York staff. Mrs. Norma Brennan continues to direct the Editorial Department with excellent results. It is sometimes difficult to see how she can stay on top of all the multiple facets of AIAA publications. We've had several Senior Editors for the Journal. Pam Edwards takes the lion's share of the credit for getting us started on the new preacceptance procedures. Elaine Camhi, Managing Editor, found herself dealing with all journals as principle traffic director during the conversion process. That we were able to avoid loss of files, misplaced papers, etc., speaks for Elaine's skill and patient dedication. Recently, Rick Horgan has become our Senior Editor. Already he's doing a fine job, and all of us look forward to working with him.

I've already recognized the initiative and professionalism of our Associate Editor Team. This brings me to the reviewers, whose names are listed below. We certainly hope no names have been omitted. Last year we could state that very few trivial reviews were received. This is even more apparent this year. I thank them for their fine support.

Finally, it is appropriate to pay special recognition to our contributing authors, who, after all, are most important to the Journal. I've been told several times recently that the Journal quality continues to improve. This is due to the high quality of contributed material. From my viewpoint, the 1984 issues will be the best ever.

Thomas M. Weeks
Editor-in-Chief

Reviewers for the Journal of Aircraft-1983*

| | | | | |
|----------------------|--------------------|--------------------|--------------------|----------------------|
| Abbott, J. M. | Bobbitt, P. J. | Chen, H. | Dollyhigh, S. M. | Gallardo, V. C. |
| Adamson, W. M. | Boldman, D. | Chen, R. T. N. | Douglas, D. | Gambill, J. M. |
| Agnew, J. W. | Boles, M. A. | Cherry, F. | Drake, J. W. | Garrad, W. L. |
| Alford, W. J. | Booz, D. | Chin, J. | Drew, G. | Garrett, R. |
| Amiet, R. K. | Boruff, W. R. | Chipman, R. | Dring, R. P. | Gaugler, R. |
| Anderson, B. H. | Bower, D. | Chyu, W. J. | Dubell, T. | Giesing, J. P. |
| Anderson, J. D., Jr. | Bowles, R. L. | Ciepluch, C. | Duffy, R. | Gilbert, J. R. |
| Anderson, R. O. | Boxer, E. | Cifone, A. | Dugundji, J. | Gilbert, W. P. |
| Anderson, S. B. | Boyden, R. P. | Clark, J. W. | Dvorak, F. A. | Gillard, T. J. |
| Andrisani, D. | Bradley, R. G. | Cochrane, J. A. | Eckstrom, C. | Gillard, W. P. |
| Anyiwo, J. C. | Bragg, M. | Cohen, R. L. | Edwards, J. | Glaser, F. C. |
| Ardema, M. D. | Bresnahan, D. | Cook, T. S. | Eklund, T. I. | Gleiter, D. P. |
| Ashford, R. L. | Briggs, H. C. | Cosner, R. R. | El-Aini, Y. M. | Glesing, J. P. |
| Ashkenas, I. L. | Briston, D. R. | Coulter, L. J. | Englar, R. J. | Gliebe, P. R. |
| Ashley, H. | Bristow, D. | Coyle, J. M. | Engle, H., Jr. | Gloss, B. |
| Bach, R. | Brooks, B. | Crabill, N. L. | Engler, N. | Glover, B. M. |
| Bader, B. | Brooks, C. W., Jr. | Crangle, R. | Erickson, G. E. | Goyal, R. |
| Baerst, C. | Brown, J. | Crook, J. L. | Eschweider, J. | Gragg, M. B. |
| Ball, C. | Brown, M. | Croukhite, J. D. | Esenwein, F. T. | Graham, R. |
| Banach, H. J. | Brown, P. W. | Cruthirds, J. E. | Essman, D. J. | Grandt, A. F., Jr. |
| Bantle, J. | Brune, G. W. | Curry, C. E. | Evvard, J. C. | Graham, W. D. |
| Barlow, J. B. | Bryson, A. E. | Curtiss, H. C. | Falarski, M. D. | Gregorey, G. |
| Barnhart, B. | Burcham, R. | Cutchins, M. | Farr, A. P., III | Gregory, T. J. |
| Barton, J. M. | Burnham, R. W. | Cuthberston, R. D. | Fearn, R. L. | Greitzer, E. M. |
| Batterson, J. G. | Butzel, L. M. | Dallagher, J. | Fedderson, R. E. | Guruswamy, P. |
| Beatty, T. D. | Cagliostro, D. E. | Dalton, C. | Feiler, C. | Hagen, T. R. |
| Bengelink, R. L. | Cahill, J. F. | Davis, R. J. | Fein, J. A. | Hagerup, H. |
| Bennett, G. | Caldwell, D. B. | DeLaurier, J. | Feistal, T. W. | Hale, A. |
| Bentz, C. E. | Calico, R. | DeLaurier, J. | Ferrel, K. G. | Hale, F. J. |
| Bergum, N. R. | Camell, B. | DeLaurier, J. | Fiorentino, A. | Hall, L. |
| Berrier, B. L. | Camp, D. W. | Denke, P. H. | Fiorentino, T. | Hallauer, W. L., Jr. |
| Berry, D. T. | Campbell, J. P. | Deye, D. | Fortenbaugh, R. L. | Harm, M. |
| Betzina, M. D. | Capone, F. J. | Dickson, J. H. | Foss, W. E. | Harris, F. D. |
| Bhateley, I. C. | Carlson, H. W. | Dielner, B. | Fox, C. H., Jr. | Hart-Smith, L. J. |
| Bihrl, W. | Carr, L. W. | Dill, H. | Frei, D. | Hassig, H. J. |
| Bingham, G. J. | Cegaio, J. | Dillard, T. J. | French, J. V. | Hemisch, M. J. |
| Binion, T. W., Jr. | Cegalis, J. | Dillenius, M. | Freyre, O. L. | Henderson, P. |
| Bird, D. K. | Cenko, A. | Diller, B. | Fry, E. B. | Henderson, W. P. |
| Blackmore, W. L. | Chambers, J. | Dillner, B. | Fuller, J. R. | Henne, P. A. |
| Bland, S. R. | Chamis, C. C. | Doggett, B. | Gallagher, J. | Herring, R. N. |
| | Chappell, D. | | | |

*This list represents those names supplied by the Associate Editors and Editor-in-Chief. XX was used when initials were unavailable.