
THE PHOTOGRAMMETRIC AWARD (FAIRCHILD)

1987 Recipient: Clive S. Fraser

Purpose: To stimulate the development of the art of aerial photogrammetry in the United States.

Donor: Fairchild Weston Systems, Inc.

Dr. Clive S. Fraser, Vice President, Research, of Geodetic Services Inc., received his B. App. Sc. (with distinction) from Western Australian Institute of Technology in 1975, his M. Surv. Sc. from the University of New South Wales in 1977, and his Ph.D. in Analytical Photogrammetry from the University of Washington, in 1979.

He has made major contributions as both a superb theoretician and a talented and innovative practitioner. Among his many achievements are the development of improved models for atmospheric refraction for both EDM and photogrammetric measurements, maximizing effectiveness of utilization of nonmetric cameras, exploration of orthopedic applications of X-ray photogrammetry, self-calibration of close-range cameras, and development and application of practical techniques for photogrammetric monitoring of deformation of structures.

Dr. Fraser's papers on optimization of close-range networks are destined to become classics. He has published extensively (over 50 papers), lectured widely on almost every continent; and served his professional Societies in many ways.

In ASPRS he has received two President's Awards for Practical Papers, (3rd prize and 2nd prize), The Grand Trophy and an Honorable Mention for the IV



Larry Fritz (right) gets the replica plaque from Dr. J. Chris McGlone.



Clive S. Fraser (left), the 1987 Photogrammetric Award (Fairchild) winner, with Dr. J. Chris McGlone.

Talbert Abrams Award, The Wild Heerbrugg Photogrammetric Award and the Bausch and Lomb Photogrammetric Award, between 1977 to 1986. From CISM he has received the Telefix Canada Literary Award, and from the Photogrammetric Society (U.K.) The 1987 President's Prize.

For all of his accomplishments, Dr. Clive S. Fraser is the 1987 Recipient of the Photogrammetric Award (Fairchild).

The Photogrammetric Award (Fairchild) consists of a silver plaque mounted on a wood panel. The name of each winner is affixed to the award, and each winner shall have possession of the award for the year following the presentation. After this period, the recipient will be presented with a replica plaque as a permanent memento.

Photogrammetric Award (Fairchild) Recipients 1982-1986

1982	Vladimir Kratky
1983	Chester C Slama
1984	Zarko Jaksic
1985	William C. Mahoney
1986	Lawrence W. Fritz

V TALBERT ABRAMS AWARD

1987 Recipients:

Grand Award: James R. Lucas

First Honorable Mention: Dan Rosenholm

Second Honorable Mention: No Award

Purpose: To encourage the authorship and recording of current, historical, engineering and scientific developments in photogrammetry.

Donor: Talbert Abrams

Mr. James R. Lucas of the NOAA Charting and Geodetic Service received the Talbert Abrams Grand Trophy for his outstanding article "Aerotriangulation without Ground Control," which appeared in *Photogrammetric Engineering & Remote Sensing*, March, 1987. It describes and documents procedures whereby the Global Positioning System, in conjunction with photogrammetric triangulation, can be used as a substitute for surveyed ground control. As the satellites that constitute the Global Positioning System become more numerous, his outlined procedures will undoubtedly be employed operationally. The resulting savings in time, money and effort in establishing control and in the execution of mapping projects promises to be of real significance.

Mr. Dan Rosenholm of the Swedish Royal Institute of Technology, received First Honorable Mention for his fine article "Multi-Point Matching Using the Least-Squares Technique for Evaluation of Three-Dimensional Models," which appeared in *Photogrammetric Engineering & Remote Sensing*, June, 1987. Mr. Rosenholm sets forth procedures whereby analysis of several models of the same scene can be used to



Sabry El-Hakim receiving the replica trophy from John Graham.

improve overall three-dimensional positional accuracy. This is particularly significant with the current advent of multiple stereoscopic recording of scenes and computer capabilities to handle the resultant data in digital form.

The V Talbert Abrams Grand Award consists of possession of the Grand Trophy for one year, a replica of the trophy the following year, and a \$1,000 cash award. The Honorable Mention Award, to those with Second and Third place honors, consists of a plaque presented at the Annual meeting of the Society.

Talbert Abrams Award Recipients 1982-1986

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| 1982 | 1. P. Douglas Carman, 2. John C. Trinder,
3. Olubodun O. Ayeni |
| 1983 | 1. Clive S. Fraser, 2. Atef A. Elassal,
3. Thomas M. Lillesand |
| 1984 | 1. John C. Trinder, 2. Steven L. Richardson,
3. James R. Lucas |
| 1985 | 1. Armin W. Gruen, 2. Manfred Ehlers,
3. S.F. El-Hakim |
| 1986 | 1. Sabry El-Hakim |



James R. Lucas accepts the V Talbert Abrams Award Trophy from President John Graham for his outstanding article which appeared in the March 1987 PE&RS.

THE ALAN GORDON MEMORIAL AWARD

1987 Recipient: Pat S. Chavez, Jr.

Purpose: To encourage and commend the individual(s) who contribute(s) to significant achievements in Remote Sensing and Photographic Interpretation.

Donor: Alan Gordon Enterprises, Inc.



Alden Colvocoresses accepting the Alan Gordon Memorial Award for Pat S. Chavez, Jr. from John Graham.

Mr. Pat S. Chavez, Jr. is a Research Physical Scientist with the National Mapping Division, USGS, Flagstaff, Arizona. He developed the Mini Image Processing System (MIPS) which is widely used in

the United States and abroad. He devised algorithms to simulate natural color from satellite imagery and algorithms to merge digital satellite imagery with digitized aerial photography. He is especially recognized for his interdisciplinary work in marine sciences by developing algorithms for processing sonar imagery (GLORIA). He has been very influential in directing research in remote sensing and its applications.

The Alan Gordon Memorial Award consists of possession of a plaque for one year, a cash award of \$100, and a certificate.

Alan Gordon Memorial Award Recipients 1982-1986

1982	Philip N. Slater
1983	Robert N. Colwell
1984	Frederick J. Doyle
1985	Joseph K. Berry
1986	Thomas Eugene Avery

FORD BARTLETT AWARD

1988 Recipients:

Robert G. Crane
Thomas C. Kind
John G. Lyon

Purpose: To reward members for actively promoting membership in ASPRS.

Donor: Lockwood, Kessler, and Bartlett, Inc.

Each of the three people listed above will receive the Ford Bartlett Award this year. The Ford Bartlett Award consists of a certificate and a 1-year membership in the Society. A member is eligible to receive the Ford Bartlett Award after sponsoring 10 or more members in one year.



Ellen Davis, Membership, congratulating John G. Lyon, one of the Ford Bartlett Award winners.

THE WILLIAM A. FISCHER MEMORIAL SCHOLARSHIP

1988 Recipient: Patrick A. Agbu

Purpose: To facilitate graduate studies and career goals of a worthy student adjudged to address new and innovative uses of remote sensing that relate to the natural, cultural, or agricultural resources of the Earth.

Donor: Individual and Corporate Contributions to the International Geographic Information Foundation in memory of William A. Fischer.

Mr. Patrick A. Agbu is working towards his Doctorate at the University of Illinois at Urbana-Champaign and conducting research on the utility of satellite multispectral data for perception of order in soils and will compare the results by this method with those by conventional methods. He expects to use the funds from this Scholarship for laboratory analysis of soil samples and field checks on the completed analyses.

The William A. Fischer Memorial Scholarship consists of a \$1,500 scholarship to be used in graduate remote sensing studies.

William A. Fischer Memorial Scholarship Recipients 1984-1987

1984	Dean B. Gesch
1985	Karen S. Wallace
1986	Yalan Mao
1987	Leal A.K. Mertes



John Graham with the William A. Fischer Memorial Scholarship recipient Patrick A. Agbu.

THE AUTOMETRIC AWARD

1988 Recipient: Christopher Stohr et al.

Purpose: To stimulate development and recognize achievement in the field of Photographic Interpretation through special acknowledgement of superior publications on the various aspects of imagery interpretation.

Donor: Autometric, Inc.

Mr. Christopher Stohr, W.J. Su, P.B. DuMontelle, and R.A. Griffin have been chosen to receive the 1987 Autometric Award for their paper "Remote Sensing Investigations at a Hazardous-Waste Landfill," which appeared in the November, 1987 issue of *Photogrammetric Engineering & Remote Sensing*. This paper describes how aerial and satellite imagery were employed to supplement field studies of local surface and groundwater hydrology, and to chronicle site history.

The Award consists of a plaque inscribed annually with the recipient's name, to be retained by the winner for 9 months, an inscribed certificate, and a cash award of \$100.



Stanford T. Hovey of Autometric, Inc. presenting the award to Christopher Stohr.

Autometric Award Recipients 1982-1987

1982	Alexander F. H. Goetz, Lawrence C. Rowan	1985	Eric P. Crist and Richard C. Cicone
1983	John F. McCauley, G.G. Schaber, C.S. Breed, M.J. Grolier, B. Issawi, C. Elachi, R. Blom, C.V. Haynes	1986	Compton J. Tucker, C.L. Vanpraet, M.J. Sharman, and G. Van Ittersum
1984	Ronald J. Brown, F.J. Ahern, K.P.B. Thompson, K. Staenz, J. Cihlar, C.M. Pearce, S.F. Klumph	1987	William A. Befort



Left to right, Wen-June Su, Robert A. Griffin, Paul B. DuMontelle, Christopher Stohr, Stanford T. Hovey, and John Graham.

THE BAUSCH AND LOMB PHOTOGRAMMETRIC AWARD

1988 Recipients:

Graduate: Scott Rae

Undergraduate: No Award

Purpose: To stimulate an interest in photogrammetry in college students who display outstanding ability and interest in photogrammetry.

Donor: Bausch and Lomb Corporation

Mr. Scott Rae received the 1988 Bausch and Lomb Graduate Award for his paper "Two Non-Iterative Methods of Determining the Orientation of a Stellar Camera," which will appear in a future issue of *Photogrammetric Engineering & Remote Sensing*. Mr. Rae is currently a student at Virginia Polytechnical Institute and State University at Blacksburg, Virginia.

The Bausch and Lomb Photogrammetric Award consists of \$250 cash, round trip to the ASPRS Annual Convention including 2 nights accommodations, and 3 years membership in the Society for each recipient.

Bausch and Lomb Photogrammetric Award Recipients 1982-1987

1982	Bon A. DeWitt--Graduate, Michael A. Heck--Undergraduate
1983	Charles D. Ghilani--Graduate, Hal B. Lane, III--Undergraduate
1984	Albert K. Chong--Graduate, Barry Hill--Undergraduate
1985	James Lee--Graduate, Rudolph J. Meijer--Undergraduate
1986	No Award Given
1987	Byung-Guk Kim--Graduate, Daniel C. Oimoen--Undergraduate



Scott Rae being congratulated by Ron Martino from Bausch & Lomb, while John Graham looks on.

THE PRESIDENT'S AWARD FOR PRACTICAL PAPERS

- 1988 Recipients: 1) Horst H. Scholer**
2) Terrence Keating, William Phillips,
and Kevin Ingram
3) William M. Kovalick, Stephen W. Wharton,
and Jeffrey A. Newcomer

Purpose: To encourage and commend the individual(s) who publish papers of practical or applied value in *Photogrammetric Engineering & Remote Sensing*.

Horst H. Scholer received First Prize for "An FMC-Equipped Aerial Mapping Camera," February, 1987, which describes how forward motion compensation is considered first in general and then with regard to the new JENA LMK Aerial Mapping Camera.

Terrence Keating, William Phillips, and Kevin Ingram received Second Prize for "An Integrated Topologic Database Design for Geographic Information Systems," October, 1987, which describes how the DBMS design provides for quick response to georeferenced queries regardless of the size or attribute complexity of the geographic area in digital storage.

William M. Kovalick, Stephen W. Wharton, and Jeffrey A. Newcomer received Third Prize for "A Methodology for Evaluation of an Interactive Multispectral Image Processing System," August, 1987, which describes how evaluation of a developmental system indicated that the important system elements include documentation, user friendliness, image processing capabilities, and system services.

The President's Award for Practical Papers First Prize consists of an engraved pewter tankard, a check

for \$500 and a certificate. The Second Prize is a check for \$300 and a certificate. The Third Prize is a check for \$200 and a certificate.

President's Award for Practical Papers Recipients 1982-1987

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| 1982 | 1. Donald Karns, 2. Roger R. Chamard,
3. Joachim K. Hoehle, Alfred Jakob |
| 1983 | 1. Hermann H. Arp, Jean C. Griesbach,
Joseph P. Burns, 2. Franz W. Laberl,
Dale Olson, 3. Lawrence W. Fritz |
| 1984 | 1. B.E. Frazier, G.K. Hooper, 2. Charles W. Dull,
William H. Clerke, 3. Peter O. Adeniyi, and
(tie) Gerald K. Moore, Frederick A. Waltz |
| 1985 | 1. Steven A. Mundy, 2. Barry M. Evans and
Larry Mata, 3. John A. Thorpe |
| 1986 | 1. J. C. Eidsenshink, 2. Gerry Salsig,
3. William H. Klein |
| 1987 | 1. Harold D. Moore and Alan F. Gregory,
2. Donald T. Lauer
3. Clive S. Fraser |



Horst H. Scholer receives the Deed of Award and the "practical gift" from President Graham for his paper on "An FMC-Equipped Aerial Mapping Camera" published in the February 1987 PE&RS.

THE WILD HEERBRUGG PHOTOGRAMMETRIC FELLOWSHIP AWARD

1988 Recipient: David Walter Cook

Purpose: To encourage qualified candidates to pursue graduate education in photogrammetry and to promote the development of photogrammetric science.

Donor: The Wild Heerbrugg Company

Mr. David Walter Cook has been selected as the 1988 Wild Heerbrugg Fellow because of his outstanding academic record, his study objectives, and his financial need. Mr. Cook is working toward a Master of Sciences in Surveying Engineering at the University of Maine in Orono, Maine. His outstanding past and current academic ability is reflected by his grade point average of 3.77. His chosen objectives for graduate study will be on "Photogrammetric Solutions to GIS Problems." His studies include aims for using the superimposition capabilities of analytical stereoplotters to effectively update GIS/LIS. All three references from faculty members at the University of Maine indicate that he has been a leader and the outstanding senior graduate. Mr. Cook is a native of New Jersey and hopes to receive his MS Degree in May 1990.

The Wild Heerbrugg Photogrammetric Fellowship is a \$4,000 fellowship award for one graduate student. The award is to be used for graduate study in photogrammetry at a school of the recipient's choice.



David Walter Cook receiving his award from Dieter K. Zeuner of Wild Heerbrugg.

Wild Heerbrugg Photogrammetric Fellowship Recipients 1982-1987

1982	Sean Curry
1983	Bon A. DeWitt
1984	Fidel Calismo Paderes, Jr.
1985	Horst A. Beyer
1986	Charles D. Ghilani
1987	Jeffrey Kretsch

THE ROBERT E. ALTENHOFEN MEMORIAL SCHOLARSHIP

1988 Recipient: Anthony Stefanidis

Purpose: To encourage and commend college students who display exceptional interest and ability in the theoretical aspects of photogrammetry.

Donor: The Late Robert E. Altenhofen and Family

Mr. Anthony Stefanidis received a degree from the National Technical University, Department of Surveying Engineering, Athens, Greece. He wrote his Diploma thesis on the establishment of a Land Information System using an analog photogrammetric instrument. He is a Ph.D. Student in the Department of Geodetic Science, Ohio State University, and is working as a Graduate Teaching Assistant.

As Mr. Stefanidis writes: "All of my scientific work up to now, which consists of my diploma thesis, some

publications in Greece, and my graduate achievements so far in the O.S.U., is shared with my major competitor, both in classes and for the awards, my wife Peggy Agouris, with whom I also share the interest for digital photogrammetry."

His plans for the continuance of his studies indicate that the purpose of the Robert E. Altenhofen Memorial Scholarship will be well served by his selection for the Award.



John Graham with Anthony Stefanidis and his wife Peggy receiving the Robert E. Altenhofen Memorial Scholarship award.

Established in memory of Robert E. Altenhofen, a photogrammetrist and former President of the American Society of Photogrammetry, the Robert E. Altenhofen Memorial Scholarship consists of a certificate and \$500.

Robert E. Altenhofen Recipients 1986-1988

- 1986: Paul F. Hopkins
- 1987: No Award

THE ANALYTICAL SURVEYS (ASI) PHOTOGRAMMETRIC SCHOLARSHIP

1988 Recipient: Jay Michael Goldfarb

Purpose: The purpose of the Award is to encourage and assist qualified candidates to pursue either undergraduate or graduate education in photogrammetry, and promote the development of photogrammetric science.

Donor: Mr. John A. Thorpe, Analytical Surveys, Inc.

Mr. Jay Michael Goldfarb, the first recipient of the ASI Photogrammetric Scholarship, holds a BS in Surveying and Photogrammetry (Summa Cum Laude) 1981 from California State University Fresno, and a MS Degree 1987 from the University of Calgary. He has worked as a surveyor for the US Forest Service and the National Park Service. He also worked at General Dynamics in optics and computer graphics.

He is now a Ph.D. Student at the University of Calgary. His current research is digital photogrammetry. He is investigating the use of connectionist models (sometimes called artificial neural

networks) in photogrammetric target recognition and stereocorrelation.

After completion of his studies, Mr. Goldfarb would like to work in research, development, and implementation in photogrammetry, remote sensing, and geodesy.

His GPA in graduate course work is 3.65, his masters thesis write-up is outstanding, and he is an excellent lab instructor. His career to date exemplifies the purpose of the ASI Photogrammetric Scholarship.

The Award consists of a \$4,000 scholarship to be used for study in photogrammetry and a certificate.

THE LUIS STRUCK AWARD

Recipient: No Award

Purpose: To stimulate Pan American understanding in the field of photogrammetry.

Donor: Sociedad Mexicana de Fotogrametria, Fotointerpretacion y Geodesia

Luis Struck Award Recipients 1982-1987

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|------|----------------------|------|-------------------------|
| 1982 | Rupert B. Southard | 1985 | Hernan Rivera H. |
| 1983 | Luis E. Miranda V. | 1986 | Mauricio Aroya Figueroa |
| 1984 | Bulmaro Cabrera Ruiz | 1987 | No Award |

REGION OF THE YEAR AWARD

1988 Recipient: Northern California Region

1st Honorable Mention: Potomac and Florida Regions (Tie) 2nd Honorable Mention: Puget Sound and Mid-South Regions (Tie)

Purpose: To recognize excellence of the Region in providing service to the members and to the profession at large.

Donor: American Society for Photogrammetry and Remote Sensing

Congratulations to the Northern California Region for taking the top position! Northern California received this award for outstanding accomplishments in all areas of region activities, some of which include hosting GIS '87, cohosting the Reno Convention, and starting a new Region Newsletter.

for both Potomac and Florida included very good newsletters, extensive technical meetings and active membership retention.

The Puget Sound Region tied for Third Place with the Mid-South Region. Both Regions displayed outstanding accomplishments in Region activities, including good newsletters, extensive technical meetings, and active membership retention.



Alan Mikuni of the Northern California Region accepting the Region of the Year Award from Ellen Davis.

The Potomac Region tied for Second Place in the Region of the Year Competition with the Florida Region. Superior accomplishments in region activities



Left Marvin Everett for the Puget Sound Region and right Dan Andrews for the Mid-South Region share Third Place.

The Region of the Year Award consists of a certificate and possession of the Region of the Year Banner for one year.

Region of the Year Award Recipients 1982-1987

- 1982 Potomac, Rocky Mountain, and Mid-South
- 1983 Potomac, Central New York, and a tie - Mid-South and Rocky Mountain
- 1984 Intermountain, Potomac, and Florida
- 1985 Alaska, a tie - Potomac and Texas-Louisiana, and a tie - Eastern Great Lakes and North Atlantic
- 1986 Potomac, a tie - Florida and Puget Sound, and a tie - Mid-South and Eastern Great Lakes
- 1987 Potomac, Columbia, Northern California



Left to right, Robin Carroll for the Potomac Region, Ellen Davis, and Chuck Woodward for the Florida Region.

NEWSLETTER OF THE YEAR AWARD

1988 Recipient: Puget Sound Region

Second Place: Eastern Great Lakes Region

Third Place: Florida and Mid-South Regions

Purpose: To recognize excellence of the Region in providing service to the members and to the profession at large through publication of a newsletter.

Donor: American Society for Photogrammetry and Remote Sensing

The Puget Sound Region received the Newsletter of the Year Award! In addition to all of the basic National and Regional Board reports, their outstanding Newsletter contained many important notices, news items, coming events, people news, and information valuable to readers. All of this combined to make their Newsletter nice to look at, interesting and easy-to-read.

The Eastern Great Lakes Region took Second Place in the Newsletter of the Year Competition. Coverage included National and Regional news, as well as important notices and other information valuable to readers set this Newsletter above the others.

The Mid-South and Florida Regions tied for Third Place in the Newsletter of the Year Competition. Both newsletters contain important notices, news items, and coming events in addition to the basics of National and Regional Board reports.

The Newsletter of the Year Award consists of a certificate and a "Good Job" from Headquarters to all the Editors!

Newsletter of the Year Award Recipients 1982-1987

- 1982 Rocky Mountain Region
- 1983 Potomac Region
- 1984 Intermountain Region, and a tie between the Potomac and Central New York Regions
- 1985 Florida Region, a tie - Potomac and Mid-South Regions, and Puget Sound Region
- 1986 Florida Region, and a tie - Central New York and Potomac Regions
- 1987 Potomac, Florida, and a tie - Mid-South and Columbia River



Ellen Davis congratulating Marvin Everett from the Puget Sound Region on winning the Newsletter of the Year Award.

Janet Degner from the Florida Region (left) and Dan Andrews from Mid-South Region receive their awards from Ellen Davis.

