From the Editor

With this issue we welcome two new Associate Editors. David Yesner has agreed to collect and channel information related to environmental archaeology. James Ebert has offered to coordinate news of remote sensing, geographic information systems, and related areas. Both Ebert and Yesner have contributed to this issue, and will be collecting material for upcoming issues. We all hope that this will help to stimulate more offerings in these vital areas of interest.

I have recently received the following message from Annelise Warren of the Journals Marketing Department of Academic Press regarding special subscription rates for The Journal of Archaeological Sciences.

JAS is to be sold in 1988 at a Full Rate of $194.00; £ 98.00 (in the U.K. only). This rate applies to Institutions, Personal Subscribers, and Libraries. However, we do make special offers to individuals of certain societies, such as SAS. Members of SAS are able to subscribe to the Journal at the special membership rate of $66.00; £ 38.00 (in the U.K. only); however, they MUST pay out of personal funds directly to us. Libraries and institutions are not eligible for the special membership rate.

While SAS folklore has long suggested that such a special rate was available, the collective memory of the Executive Board and the record in the Society’s “Archive” failed to shed any light on the issue. The message from Ms. Warren is the result of a series of official inquires to clear up the matter so that our members could be sure of their appropriate subscription costs.

Patrick E. Martin

News of Geoarchaeology

A symposium titled “Soils, Landscape Evolution, and Human Occupation” will be a part of the 53rd annual meeting of the Society for American Archaeology in Phoenix, April 27 to May 1, 1988. This will be the first annual SAA-sponsored Fryzell Symposium on interdisciplinary studies in archaeology. This year’s award will be given for significant contributions to the earth sciences and archaeology.

The organizer of this year’s symposium is Dr. Vance T. Holliday (Geography, University of Wisconsin). Nine papers will be delivered:

- Soil Morphologic Properties and Weathering Zone Characteristics as Age Indicators in Middle Holocene Alluvium in the Upper Midwest, E. Arthur Betts.
- Alluvial Soils and Geoarchaeological Research, C. Reid Ferrigno.
- Soils and Landscapes in Southern Sinai During the Late Pleistocene, Bruce G. Gladfelter.
- Soil Formation, Time and Archaeology, Vance T. Holliday.
- Soils at Prehistoric Agricultural Terracing Sites in New Mexico and Peru, Jonathan A. Sandor.
- Implications of Sub-Soil Lamellae for Reconstructing Prehistoric Occupation Surfaces, Joseph Schuinderein.

Geological Society of America—Phoenix, Arizona—October 26-29, 1987. At the business meeting of the Archaeological Geology Division the division award was given to John C. Kraft. Presentation of the award by John Gifford and acceptance speech will be published in the GSA bulletin in 1988.

Geological Society of America—Denver, Colorado—October 31-November 3, 1988. Next year the GSA will be celebrating its Centennial year. The Archaeological Geology Division will be joining that celebration by organizing a symposium, an awards presentation, and a field trip.

The symposium for the 1988 GSA is being organized by Felker Hassan. The topic is now under discussion. For more information contact him at the Department of Anthropology, Washington State University, Pullman, WA 99164.
The award recipients for 1988 (GSA Centennial Celebration Year) will be Claude C. Albrighten and Glen L. Evans. These individuals were selected to share this award in recognition of their contribution to establishing the Pleistocene/Holocene stratigraphic framework for the central United States. Their award will be presented at the Archaeological Geology Division business meeting in 1988. All are encouraged to attend. A pre-meeting field trip is planned for October 28-30, 1988, "Archaeological Geology in the Colorado Piedmont and High Plains of SE Wyoming and NE Colorado," organized by Vance T. Holliday, George Prisen, and Adrienne Anderson. The group will visit the Lindermeier, Hell Gap, Frazier, Jurgens, and Dent sites. For further information write to Vance T. Holliday, Geography, University of Wisconsin, Madison 53706.

International Symposium on "Engineering Geology in the Study, Preservation and Protection of Ancient Works, Monuments and Historical Sites," Athens, Greece-September 19-23, 1988. At this conference, besides the main subjects covering geotechnical and decay aspects, other themes will cover a broader spectrum in the field of Geooarchaeology. Participants had to have abstracts to submit for consideration by Professor Paul G. Marinos, by October 1987. Anyone interested in attending this symposium should contact: Greek Committee of Engineering Geology, 1988 Symposium Secretariat, P.O. Box 19140, GR-117 10 Athens, Greece. Proceedings will be published by A.A. Balkema Publishers.

### New Publications

Torres, Victor R. Pacheco, Alfredo Altamirano Enciso, and Emma Guerra Forras (translated by Elsie Sandfurd)

1987 The Osteology of South American Camelids. *Archaeological Research Tools 3.* The Institute of Archaeology, University of California, Los Angeles. 405 Hilgard Avenue, Los Angeles, CA 90024. $6.50 plus $2.50 postage and handling.

### Necrology

Archaeological science lost a major figure on June 21, 1987, when Robert C. Eldt perished with his wife in a tragic private plane crash. Bob Eldt completed a B.S. in meteorology at UCLA in 1947. Following a period in South America (where, among other things, he started a weather station at the University of Huamanga) he returned to UCLA to complete a Ph.D. in geography in 1954.

While teaching at the University of Minnesota (1954-56), Cal State Los Angeles, and since 1967 at the University of Wisconsin-Milwaukee, Bob never lost his interest in Latin America. He published two books on research he did there: *Pioneer Settlement in Northeast Argentina*, University of Wisconsin Press 1971 and *Advances in Abandoned Settlement Analysis: Application to Prehistoric Ancestrals in Colomb ia, South America* Center for Latin American, University of Wisconsin-Milwaukee 1981.

His major contribution to archaeological science was his development of more refined methods of soil phosphate analysis to identify ancient land use. See especially his papers: "A rapid chemical field test for archaeological site surveying" American Antiquity 36:205-10, 1973; "Detection and examination of anthrosols by phosphate analysis" *Science* 197:1327-33, 1977".; "Theoretical and practical considerations in the analysis of anthrosols" chapter 7, pp. 155-190, in *Archaeological Geology* edited by G. Rapp, Jr. and J.A. Gifford, Yale, 1985. These methods are now used world-wide.

*George (Rip) Rapp, Jr.*

### Positions Available

**Massachusetts Institute of Technology**

The Anthropology/Archaeology Program and the Center for Materials Research in Archaeology & Ethnology invite applications for a joint position in archaeology, at the rank of Assistant Professor, to begin Fall 1988. We seek an anthropologist with a strong research background in materials science of archaeological artifacts (e.g. metal, ceramics, lithics, biological materials). Primary research must include technology of artifact production. Must have extensive experience in the technical analysis of archaeological materials, be able to supervise Ph.D. level student research in some area of materials analysis, and co-direct the Center's materials research facility. Teaching includes a graduate seminar/lab course in materials analysis of archaeological materials and undergraduate courses in archaeology and laboratory techniques in archaeology. Ph.D. required. Women and minority candidates strongly encouraged. Send only a vita, letter of application, and names of three referees to

Heather Lechtman
Room 8-138, MIT
Cambridge, MA 02139

The Center for Materials Research in Archaeology and Ethnology invites applications for a position as Principal Research Scientist. We seek an archaeologist/ceramist/geoantropologist with a strong research background in the materials science of ceramics (pottery, brick, furnace refractories, glass and slags, etc.). Applicant’s primary research must include the technology of ceramic artifact production. The successful applicant must have extensive experience in the technical analysis of ceramics and should be able to direct a materials research facility for study of archaeological ceramics. Teaching includes a year-long graduate seminar/lab course in ceramics as ancient materials, a professional Summer Institute course in materials analysis of archaeological ceramics, and supervision of Ph.D. level student research. Ph.D. required. Initial appointment for a period of three years. Women and minority candidates strongly encouraged. Send only a vita, letter of application, and names of three referees to

Heather Lechtman
Room 8-138, MIT
Cambridge, MA 02139

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### Environmental Archaeology

David Yesner, Affiliate Associate Professor at the University of Alaska, Anchorage, has agreed to serve in a new capacity as Associate Editor for environmental archaeology. Beginning with the next issue of the Newsletter, if anyone has information on recent research, activities or publications in the area of environmental archaeology, please send that information to him at the following address: Department of Anthropology, University of Alaska, 3211 Providence Drive, Anchorage, AK 99508. This would include any work pertaining to zooarchaeology, paleoethnobotany, or human osteology. Any publications in these areas sent to the associate editor will be sent out for brief reviews to be included in future issues of the Newsletter. An attempt will be made to include news of environmental archaeology in most future issues.
News of Archaeometallurgy

Professor Ronald F. Tydeman’s new book, published in September, is called *The Early History of Metallurgy in Europe*. It is in Longman’s Archaeology Series (ISBN 0-582-491959) and costs £39.50, about $60. It contains much new and interesting information including, for example, a source of bog copper which was included among the site visits of the 23rd Annual Conference of the Historical Metallurgy Society. The conference was held in Wales in September. The Dolwyngog Turf copper “mine” is actually a hillside bog, where at least from the nineteenth century peat was cut at the bottom, stacked and dried at the top, then burned in a curiously kiln (of about 11½ feet interior diameter) which looked like a bushy furnace. The ash was then sold to the copper smelters at Swansea.

A catalogue of over 300 knives, a hundred scabbards and fifty pairs of shears and scissors has appeared under the title “Knives and Scabbards” as the first monograph in the series *Medieval Finds from Excavations in London* published by Her Majesty’s Stationery Office (1987, ISBN-0-11-230440-9) for £10.55. It was written by J. Cowgill, M. de Neergaard and N. Griffin, within the chapters on manufacturing techniques and on the use of knives, scissors, and scabbards as well as an appendix on the metallographic examination of medieval knives and shears by Paul Withrow.

An illustrated 48-page pamphlet on Tennessee’s Iron Industry Revisited: The Stewart County Store has been prepared by Stephen V. Ash and can be obtained from the Land Between the Lakes Association, Golden Pond, Kentucky 42231, for $5 postpaid.

A group of Historical Metallurgy Society members and others met in Washington DC September 10, 1987 to organize the Society for Ancient and Historical Metallurgy. Formal independence of the HMS was dictated in part by the tax laws governing non-profit organizations. The new society voted to invite the HMS to North America in 1992, the year of the Columbian quincentennial, for a joint meeting focusing on archaeometallurgy in the New World. Suggestions for programming and names of persons who would be interested in membership should be given to Martha Goodway, Chairman pro tem, or to Professor Robert B. Gordon, Vice Chairman pro tem, Department of Geology and Geophysics, Kline Geology Laboratory, P.O. Box 6666, New Haven, CT 06511, (203) 436-1189.

If you have any archaeometallurgical news to contribute, please call Martha Goodway at (203) 287-3733, or write her at CAL MSC, Smithsonian Institution, Washington, DC 20560.

Remote Sensing

The publications of the American Society for Photogrammetry and Remote Sensing (ASPRS) are known world-wide as the primary sources of authoritative information on photogrammetric and remote sensing principles, instruments, data, and analytical methods, as well as their applications in a wide range of scientific and engineering disciplines. The Society’s Manual of Photogrammetry (1980) and *Manual of Remote Sensing*, the second edition of which was published in 1983 and contains an extensive chapter on "Archaeology, Anthropology, and Cultural Resources" applications, already serve as universal references.

In early October 1987, the ASPRS approved a second edition of the *Manual of Photographic Interpretation*. The first edition, published in 1960, contained a pioneering paper by Ralph Solecki on "Photo Interpretation in Archaeology." Scientific applications of photointerpretation have come a long way since 1960, however; a photo caption in the first edition’s introduction states that "Photo interpreters in the future will use photographs like this one... taken by the US Navy's VIKING rocket at an altitude of 143 miles." Chapter 18 in the second edition, which will be published in 1985 or 1986, will cover photointerpretive methods, techniques and applications (illustrated by numerous case studies) in "Archaeology, Cultural Resource Management, and Anthropology."

Chapter editors James I. Ebert (Ebert & Associates, Albuquerque, NM) and Scott L. H. Madry (Space Remote Sensing Center, Institute for Technology Development, Bay St. Louis, MS) will coordinate the contributions of nearly 20 authors from the USA, Canada, Great Britain, West Germany, and Fiji. The volume’s editor-in-chief, Dr. Warren Phillipson, has made the editorial decision to restrict the primary focus of the 2-volume edition to the collection and analysis of *photographic* data rather than that from nonphotographic scanners and other devices, thus increasing the depth of coverage on this subject. While multispectral scanning and digital analysis are popular areas of discussion in remote sensing today, aerial photographs (and those from space) provide far higher temporal and spatial resolution, are available for almost all portions of the Earth’s surface, and are unexcelled in terms of economy of use—all of which contribute to their still being our "best" remote sensor data source.

Information on ASPRS publications and membership are available from ASPRS, 210 Little Falls St., Falls Church, VA 22046.

James I. Ebert
Ebert & Associates
3100 Ninth Street, N.W.
Albuquerque, NM 87107
(505) 344-9676

New Laboratory Established

Professor Marvin W. Rowe of the Department of Chemistry, Texas A&M University, reports the establishment of a plasma chemical laboratory for the restoration and preservation of metallic artifacts. This lab will apply a method developed by Professor S. Veprek and others in Switzerland during the past few years, a method generally applied to iron artifacts. In iron an effective method of removing chlorides and other problems inherent in some chemical treatment methods. By use of low-temperature and low-pressure reducing plasmas, no irreversible changes occur in wrought iron, so that original composition, structural changes, and morphologies are generally preserved. Veprek and colleagues have shown that it is often easier to uncover and restore the original surface of the artifacts using the plasma system than by use of more conventional techniques. The method seems to work most effectively if original soil matrix is left in place on excavated objects.

Rowe would welcome collaboration, and would like to receive some freshly excavated metallic artifacts for treatment with the plasma system. The treatment attempts to restore artifact surfaces to a nearly original condition, and a second treatment should serve to reduce the likelihood of continued corrosion. Rowe can be contacted at the Department of Chemistry, Texas A&M University, College Station, TX 77843-3255.
Meetings Calendar


January 13-17. Society for Historical Archaeology. Reno. Donald L. Hardesty, Department of Anthropology, University of Nevada, Reno, NV 89557-0006 (702) 784-6704.


January 20-22. 35th Annual Conference of the Western Spectroscopy Association. Pacific Grove, California. Heather Lafferty, WSA Conference Secretary, P.O. Box 10460, Eugene, OR (503) 343-1200.


February 3-5. Society for Computer Simulation, Conference, San Diego. SCS, P.O. Box 17900, San Diego, CA 92117.


March 16-18. 21st Annual Simulation Symposium, Tampa, Florida. S. Wittenahafer, Program Chair, 848 LeVitt Parkway, Rockledge, FL 32955 (305) 984-5711.


April 5-8. Materials Research Society Spring Meeting, Reno. J.B. Ballance, MRS, 9800 McKnight Road, Suite 327, Pittsburgh, PA 15237 (412) 367-3003. Includes symposium on Materials Issues in Art and Archaeology. Topics to be covered are technical methods of examination and characterization of artifacts and works of art; technical studies of the technologies of ancient and historic manmade materials; deterioration of natural, ancient, and modern glasses. Co-sponsored by the Getty Conservation Institute and the Conservation Analytical Laboratory of the Smithsonian Institution.


April 27-29. Handling of Environmental and Biological Samples in Chromatography. Basel, Switzerland. R. Frei, Department of Analytical Chemistry, De Boelelaan 1083, Vrije Universiteit, 1081 HV Amsterdam, The Netherlands.

April 27-30. Association for Arid Land Studies, Annual Meeting. In conjunction with the 30th Annual Meeting of the Western Social Science Association. Denver. F. Andrew Schoolmaster, AALS Program Chair, Department of Geography/Anthropology, N. Texas State University, Denton, TX 76203.


May 9-13. Marble in Ancient Greece and Rome: Geology, Sources, Commerce, and Artifacts; NATO Advanced Research Workshop, Tuscanly, Italy. Norman Herz, Department of Geology, University of Georgia, Athens, 30602 (404) 542-7765 or Marc Waelkens, Department of Archaeology and Art History, Catholic University of Leuven, 3000 Leuven, Belgium (32/16)284890.


May 16-22. 26th International Symposium on Archaeomagnetism. Toronto. Ursula Franklin, Department of Metallurgy, University of Toronto, Toronto, Ontario M5S 1A7 Canada (416) 978-3012.


June 5-10. 36th American Society for Materials Science Conference on Mass Spectrometry and Allied Topics. San Francisco. Judith Watson, ASMA, P.O. Box 1508, East Lansing, MI 48823 (517) 337-2548.


June 6-8. American Quaternary Association 10th Biennial Conference on Land-Sea Interactions in the North Atlantic Region Between Approximately 14,000 and 6,000 Years Ago. Amherst, Massachusetts. Amqui Local Program Committee, Department of Geology and Geography, University of Massachusetts, Amherst, MA 01003-0026, (413) 545-2288. (See Meeting Announcement in this issue.)


June 20-23. 10th Symposium on Thermophysical Properties. Gaithersburg, Maryland. J.V. Sengers, Institute for Physical Science and Technology. University of Maryland, College Park, MD 20742 (301) 454-4117.


July 26-30. Symposium on Asian Pacific Mammalogy; sponsored by American Society of Mammalogy and the Mammalogical Society of China. Kunming, Yunnan Province, People's Republic of China. Dr. Andrew T. Smith, Department of Zoology, Arizona State University, Tempe, AZ 85287. Primary focus will be the mammalogy of China, Asia, and the Pacific basin; includes a session on systematics and faunistics of recent and fossil mammals.

**August 1-5.** 15th Annual Conference and Exhibition on Computer Graphics and Interactive Techniques. Atlanta. A. Newton, University of Waterloo, Department of Computer Science, Waterloo, Ontario, Canada N2L 3G1 (519) 888-4534.

**August 2-5.** Permafrost, 5th International Conference. Trondheim, Norway. International Conference on Permafrost, Studies Administration, Norwegian Institute of Technology, N-7034, Trondheim-NTH Norway (472) 466960.


**August 21-23.** 7th York Quaternary Symposium. Lethbridge, Alberta, Canada. Dr. R. W. Barendregt, Quaternary Symposium, Department of Geography, University of Lethbridge, 4401 University Drive, Lethbridge, Alberta T1K 3M4 Canada.


**August 21-26.** 9th International Congress on Thermal Analysis; sponsored by International Confederation for Thermal Analysis, Jerusalem. S. Shoval, Everyman’s University, P.O. Box 39328, Tel Aviv 61392, Israel.

**August 22-26.** 26th International Geographical Congress. Sydney, Australia. Professor Bruce Thom, Department of Geography, University of Sydney, N.S.W. 2006, Australia.

**August 29-September 2.** 1st Congress of the Australian Rock Art Research Association. Darwin, Australia. Australian Rock Art Research Association, P.O. Box 216, Casilda South, 3162, Victoria, Australia.

**August 29-September 1.** Third Australian Archaeometry Conference. University of Adelaide, South Australia. J.R. Prescott, Physics Department, University of Adelaide, S.A. 5001.

**September 4-9.** 9th European Congress on Electron Microscopy. York, United Kingdom. Congress Secretariat, The Royal Microscopical Society, 373/38 St., Clements, Oxford, OX4 1AQ, United Kingdom.

**September 5-8.** Computer Applications in Analytical Chemistry. Jena, German Democratic Republic. K. Danzer, c/o Friedrich Schiller University Jena, Department of Chemistry, Steiger 3, Jena, DDR-6900, G.D.R.

**September 5-9.** Fission Track Dating. 6th International Workshop. Besancon, France. J.L. Janier-Dubry, Laboratoire de Microanalyse et Appliances, JFR des Sciences et Techniques, 16 Route de Gray, 25030 Besancon Cedex, France.

**September 14-17.** Geological Society of Italy. Compagnia e Lucania, Italy, S.G.I. Secretariat, Dipartimento di Scienze della Terra, Universita di Napoli, largo S. Marcellino 10, 80138 Napoli, Italy (tel:ex: 720634 IUNFGIV). Field trips include volcanoes and archaeological geology.
Meeting Announcements

Australian Archaeometry Conference

The Third Australian Archaeometry Conference will be held at the University of Adelaide, South Australia, from August 29 to September 1, 1988. Professor E.T. Hall of the Research Laboratory for Archaeology and the History of Art at Oxford University will deliver the keynote address. There will be no parallel sessions, and the general topics should include technology, chronology, environment, project reports, and analytical techniques. The call for abstracts will be issued to participants from the Second Conference and to those who request the detailed Second Announcement by writing to

Secretariat
Third Australian Archaeometry Conference
Physics Department
University of Adelaide
GPO Box 498
Adelaide, S.A. 5001

American Quaternary Association
Tenth Biennial Meeting
University of Massachusetts
Amherst, Massachusetts

The 1988 AMQUA meeting is scheduled for Amherst June 6-8, 1988. The theme for this meeting is Land-Sea Interactions in the North Atlantic Region Between Approximately 14,000 and 6,000 Years Ago. The Program Committee will invite speakers on this theme, additional papers will be solicited, and a program will be announced soon. Seven field trips are scheduled, 3 before and 4 after the meeting. For details and registration materials, contact the

AMQUA Local Program Committee
Department of Geology and Geography
University of Massachusetts
Amherst, MA 01003-0026

(413) 545-2286

Second Annual Northeast Faunal Analysis Conference
Princeton University
Princeton, NJ 08544

A second Northeastern Faunal Analysis Conference is planned for April 1988, as a sequel to the highly successful conference held at the University of Connecticut in the Spring of 1987. The 1988 conference will take place at Forbes College of Princeton University, tentatively on Saturday, April 9.

The organization of this meeting will follow the lines of the 1987 conference, a one-day symposium devoted to the analysis of animal bones from archaeological sites. The tone of the conference will be informal. Presentations can be made on a variety of topics which relate to the study of animal bones from archaeological sites, including methodological issues, research reports, and interpretive analyses relying on faunal data. Computer facilities (a room with 13 IBM PCs) are available at Forbes College for the demonstration of computer applications, if desired.

A registration form will be sent to those who respond to this announcement. Prompt response is necessary to insure that time will be available for all those who wish to present papers.

Northeastern Faunal Analysis Conference
c/o Center for Visitor and Conference Services,
Princeton University,
Princeton, NJ 08544

Questions can be addressed to:
Pam Crabtree, Department of Anthropology
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(609) 452-4556
BITNET: 1424795@PUCC

or
Peter Bogucki, Forbes College
Princeton University
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Ebert & Associates Develop Nonsite Survey Methods

Methodological research being carried out by Ebert & Associates under a Phase I Small Business Innovation Research (SBIR) grant from the National Science Foundation is directed toward archaeometry in its truest sense: measuring the locational and formal attributes of the archaeological record.

Ebert & Associates is an Albuquerque firm specializing in the application of remote sensing and photogrammetric methods to archaeology, ethnology, international development, environmental studies, and the forensic sciences. It is certainly unusual, perhaps unique in being one of the only American private-sector firms offering not only remote sensing applications, but also committed to the conduct of basic research.

In January 1987, Ebert & Associates was awarded a Phase I SBIR grant for the “Development of an Instrument-Assisted Method for Distributional Survey.” The SBIR program, with a wide range of participating government agencies, consists of a three-phase grant process to encourage small businesses to develop innovative processes and products for commercial or practical applications and markets. Phase I grants are given for feasibility studies; in Phase II, prototypes are developed and proven. The final SBIR phase consists of market research and development.

Distributional archaeological survey is a method which builds on “non-site” or “off-site” surface survey approaches, using artifacts and features as units of discovery, field mapping, and analysis. All recoverable archaeological items are located using intensive (5m) and highly controlled survey “transsects,” mapped using electronic distance measurement (EDM) equipment, and characterized in detail in the field. Since “sites” are not involved at any stage of such an approach, these materials are discovered and recorded continuously over relatively large contiguous areas. This methodology has been successfully applied by Ebert & Associates personnel in Wyoming and New Mexico. Research under the Phase I SBIR grant focused on the addition of EDM data logging and the use of truly portable, on-field computers with time- and storage-efficient software for artifact and feature coding.

The results of this research indicate that it will soon be possible to economically code individual-item archaeological data in the field to facilitate distributional survey methods. The major conceptual resistance to this sort of data collection has been that it costs too much. The findings of this research suggest that systemizing, standardizing, and streamlining these methods can result in their practical application. Rather than a sampling approach, or partial collection of data, these methods result in a complete record of all items recovered, including highly precise locational data, on the order of a few mm over several square km. This record can be used to represent all archaeological items recovered, and can be “reduced” to sites or clusters in analytical phases of research. In addition, it can be used for analyses which are not dependent upon proximity as a criterion for association, a consideration not previously utilized in survey archaeology, and one that may well open new vistas for archaeological analysis.

Communications are welcomed from other researchers using computer-aided field data recovery, as well as those interested in the analysis of point data from archaeological contexts. Although the system under development is designed in terms of total archaeological survey, it is equally applicable to excavation or laboratory analysis. Other scientists have shown interest, as well, including biologists interested in recording plant and animal distributions in continuous space, and forensic scientists who must quickly map and characterize the distributions of materials resulting from air crashes and other disasters.

James Ebert, Ebert & Associates
3100 Ninth Street, NW, Albuquerque, NM 87107

Journal of Field Archaeology

Editor: Creighton Gabel
Published by Boston University
for the Association for Field Archaeology

The Journal of Field Archaeology is the major international scholarly quarterly devoted to field archaeology. It publishes accounts of fieldwork and analysis from archaeological projects in both the Old and New Worlds.

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Subscriptions are by calendar year and for individuals include membership in the Association for Field Archaeology. Annual subscription/membership: $40.00; institutions (subscription only) $50; foreign subscribers please add $4 for postage.

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Deadlines for Submissions
No. 1 November 15
No. 2 February 15
No. 3 May 15
No. 4 August 15