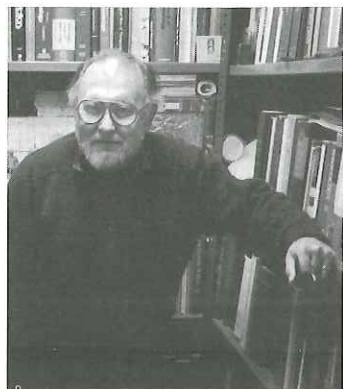




THE AMERICAN SOCIETY OF PHARMACOGNOSY



Marvin H. Malone
1930-1996

by Ezra Béjar

It is with regret that I report the sudden death of Marvin H. Malone on November 26 in Stockton, California. Dr. Malone died of a stroke that developed as a consequence of an atrial fibrillation.

Marvin Malone was a tireless harvester in the field of natural products and he had many special talents. He was a meticulous ethnopharmacol-

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The 38th Annual Meeting at the University of Iowa July 26–30, 1997



Join us for the 38th ASP annual meeting next summer! It will be our pleasure to welcome everyone to the heartland for the first time since 1968 when the ASP meeting was last held in Iowa City. The meeting will be held in excellent facilities in the Iowa Memorial Union on the University of Iowa campus. We have ample housing through hotel rooms and dormitories, and guests will

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PRESIDENT'S MESSAGE--DO YOU KNOW WHAT PHARMACOGNOSY MEANS?

As a researcher and educator who has spent the last twenty-five years working in a Department of Pharmacognosy, I am often asked what Pharmacognosy means. It is easy to respond to a non-pharmacy trained individual. A pharmacy trained individual generally requires or evokes a different kind of response. As a consequence of a general lack of understanding of the discipline by many pharmacy educators, the term has been dropped from many Schools and Colleges of Pharmacy in the U. S. What is interesting to note is that almost every school teaches significant information on natural product drugs in their curriculum--in reality they are teaching Pharmacognosy. I have heard individ-

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enjoy our campus setting along the Iowa River and the adjoining city of Iowa City. There are loads of restaurants, bars/pubs, movie theaters, great bookstores and shopping starting just two blocks from the Iowa Memorial Union meeting site. Trudi Rosazza, Shirley Carew, Bev Palmer and Kathy Gloer are working to identify interesting activities for meeting attendees. The meeting will officially start with a buffet reception on Saturday, July 26, 1997, and we plan a four-day scientific program with one afternoon free.

Meeting Venue: Campus of the University of Iowa, Iowa City, Iowa

Dates: Saturday July 26–Wednesday, July 30, 1997

Symposia: Topics outlined on page 3

Housing: Iowa House Hotel; Holiday Inn; Dormitories

Transportation: Cedar Rapids Iowa Airport; Interstate 80

Social Events: Buffet reception; poster session with wine/beer/cheese; Riverside; Barbeque; Banquet

Optional Activities: Excursions to Amana Colonies; Summer Repertoire Theater; University of Iowa School of Music, Opera; Herbert Hoover Presidential Library; Golf Tournament; ASP AM-5K Trot; Post meeting Iowa tours - Dvorak Country, Effigy Mounds National Monument, Galena Illinois, Mississippi River Tours.

TRAVEL

Iowa City is reached through the Cedar Rapids, Iowa airport with excellent service

through Denver, Minneapolis, Chicago, or St. Louis. Main hubs for United Airlines (Chicago) and TWA (St. Louis) provide numerous flights to Cedar Rapids daily. The airport is about 20 miles from downtown Iowa City by shuttle. A limited bus service will be available from the airport during peak arrival times on Saturday and Sunday. We will arrange for group rates for meeting participants who reserve bus or shuttle service with their registrations. Car rentals are available from the Cedar Rapids airport. Make your reservations early.

For the drivers in the group, Iowa City is located directly on Interstate 80 - one of the major east/west arterials in the United States. You can get on in San Francisco and drive east, or at the George Washington Bridge in NYC and drive west. By car, Iowa City can be reached from Chicago (4 hours), St. Louis (5 hours), Minneapolis (5.5 hours).

SCIENTIFIC PROGRAM

The Scientific Program Committee of Dave Carew, Iowa; Kathy Gloer, Iowa; Jim McAlpine, Abbott Laboratories; Carl Snipes, DowElanco Inc.; and Jack Rosazza, Iowa is putting together a wonderful meeting. Symposium topics will likely fall into three areas, including: Metabolic engineering and biosynthesis of natural products; Biodiversity in natural products drug discovery; and, naturally, Biocatalysts of natural products. We anticipate having three symposia with 10 - 12 symposium lecturers, the ASP Research Award Address, about 96 short (15 minutes) oral presentations, and 100-200 posters during two poster sessions. In addition, we will feature a young scientists symposium.

HOUSING

We have reserved 75 Iowa House Hotel rooms; 150 Holiday Inn rooms (in the heart of downtown Iowa City, 5 blocks from the meeting site) ; and 75 air-conditioned dormitory rooms for the meeting. Projected prices for rooms have been locked at the following rates:

Iowa House Hotel \$60 (single or double)

Holiday Inn \$65 (single), \$70 (double)

Mayflower Dorm \$24.50/person/night (double occupancy)- breakfast meal plan possible

There are many other motel or bed and breakfasts in the Iowa City area.

REGISTRATION

Registration packets will be forwarded to all ASP members early in 1997. If you have not received your packet or if you are not an ASP member and would like a registration packet, send your mailing address to:

Ms. Jo Dickens
Iowa Memorial Union
University of Iowa
Iowa City, Iowa 52242
USA



38th Meeting of the American Society of Pharmacognosy University of Iowa, Iowa City, Iowa Invited Speakers

Diversity in Natural Products Chemistry Sources and Applications

Chris Ireland (Utah)

What do Cone Snails and Didemnid Ascidians have in Common? Structural Studies of Marine Peptides

Lourival Possani (UNAM - Cuernavaca)

Scorpion Toxins: Natural Tools for the Study of Ion Channels: Biochemistry, Molecular Biology and Medical Applications

Cliff Gerwick (DowElanco)

Agrichemicals from Natural Products: Strategy and New Lead Chemistries

Gerald Bills (Merck)

Playing the Natural Products Lottery: The Fungal Ticket

Hans Reichenbach (GBF, Braunschweig)

New Compounds with Unusual Mechanisms of Action from Myxobacteria

Chris Pazoles (Phytera)

Plant Cell Culture as a Source of Chemical Diversity and Novelty for Drug Discovery.

John Cardellina, II (NCI/LDDR)

Reflections on LDDR Investigations of Antitumor and Anti-HIV Natural Products

ASP Research Achievement Award Address

John W. Daly (NIH)

Thirty Years of Searching for Bioactive Arthropod Alkaloids in Amphibian Skin

Biocatalysis and Biosynthesis of Natural Products

Neil Bruce (Cambridge)

Microbial Transformations of Morphine Alkaloids

Tomas Hudlicky (Florida)

Biocatalytic Approaches to Amaryllidaceae and Morphine Alkaloids: The Next Generation

Craig Townsend (Johns Hopkins)

The Chemistry and Enzymology of Aflatoxin Biosynthesis

Future ASP Meetings

- 1997 - July 26-30 - University of Iowa
 1998 - July 19-23 - Orlando, Florida
 1999 - July 26-31 - International meeting with the Phytochemical Society of Europe, the Gesellschaft für Arzneipflanzenforschung, and the Association Française pour l'Enseignement et la Recherche en Pharmacognosie - Amsterdam, The Netherlands
 2000 - Seattle, Washington

Future AACP Meetings

- 1997 - November 2-6 - Boston, MA.

Other Meetings of Interest—1997

April 6-11, Natural Oils Research Association: "Essential Oils - Applications & Uses in Aromatherapy" The Second International Aromatherapy Conference, Tel Aviv, Israel. Contact: Ms. Nitzan Katzir, c/o General Secretary & Organizer, Ofakim Travel & Tours, Idelson 5, Tel-Aviv, Israel. Tel. 972-3-5113560; Fax: 972-3-5100652.

April 20-23, Communication of Plants with the Environment, Noordwijkerhout, The Netherlands. Joint meeting of the Phytochemical Society of North America and the Phytochemical Society of Europe. Contact: Prof. dr. Rob Verpoorte, Division of Pharmacognosy, Leiden/Amsterdam Center for Drug Research, P.O. Box 9502, 2300 RA Leiden, The Netherlands. Tel: (31)(71)5274510/5274528, Fax: (31)(71)5274277, E-mail FCOGSYMP@LACDR.LeidenUniv.NL

PLEASE NOTE THE DATES OF THIS MEETING. A MEETING ANNOUNCEMENT WENT OUT WITH INCORRECT DATES!

June 11-14, The Chiral Conference of the Americas, Cancun, Mexico. For information contact: Ms. Mary Jo Richards, or Dr. Daniel W. Armstrong, Department of Chemistry, University of Missouri-Rolla, Rolla, Missouri, USA. Phone: (573) 341-4429; FAX: (573) 341-6033. email: mrichard@umr.edu; URL: <http://www.umr.edu/~chiral>.

June 24-27, 5th International Symposium on Pharmaceutical Sciences, Ankara, Turkey. Contact: Maksut Coskun, Ankara University, Faculty of Pharmacy. 06100 Tandoan, Ankara-Turkey. Tel: 90.312.222 04 71, Fax: 90.312.213 10 81, E-mail: coskun@pharmacy.ankara.edu.tr; URL: <http://www.pharmacy.ankara.edu.tr>

Aug. 3-7, International Mint Symposium, and Mint Tour, Seattle, Washington USA. Covering all scientific and com-

mercial aspects of peppermint, Scotch and Native spearmint, Cornmint and other Mentha species, including oil and menthol, production, processing, analytical studies and application. Contact: Dr. Brian M. Lawrence, 1110 Staffordshire Court, Winston Salem NC 27104-2736 USA. Tel.: 910-741-2031; Fax: 910-741-6343.

Sept. 1-3, 28th International Symposium on Essential Oils (ISEO) Eskisehir, Turkey. Takes place at the campus of the Anadolu University Medicinal and Aromatic Plant and Drug Research Centre (TBAM). Contact: Prof. Dr. K. Hüsnü Can Baser, Anadolu University, TBAM, 26470 Eskisehir, Turkey. Fax: 90-222 33501 27; E-mail: tbam@vm.baum.anadolu.edu.tr. Homepage: <http://www-anadolu-edu-tr/anadolu/tbam/index.html>.

September 7-12, 45th Annual GA-Congress in Regensburg, "Natural Compounds as-Antivirals-Immunomodulators-Anticoagulants." Contact: Prof. Dr. G. Franz, Institute of Pharmacy, University of Regensburg, Universitätsstraße 31, D-93040 Regensburg, Germany. Tel: #49/ (0)941-943-4760, Fax: #49/ (0)941-943-4762 E-mail: Gerhard.Franz@chemie.uni-regensburg.de.

Sept. 24-27, "Bioassay and Screening Methods in Phytochemistry", Uppsala, Sweden. Contact Prof. L. Bohlin, Div. of Pharmacognosy, Biomedical Centre, Uppsala University, P.O. Box 579, S-75123 Uppsala, Sweden. Tel.: ++46 18 174492; Fax ++46 18 509101; E-mail: Lars.Bohlin@bmc.uu.se.

Sept. 29 to Oct. 1, "Natural Products Analysis - Chromatography, Spectroscopy, Biological Testing", Würzburg, Germany. The Symposium focuses on isolation techniques, structure elucidation and biological evaluation of natural products. Contact: Prof. Dr. P. Schreier, University of Würzburg, Food Chemistry, Am Hubland, D-97074 Würzburg, Germany. Tel.: ++ 49 931 8885481; Fax: ++49 931 8885484; E-mail: schreier@pzc.uni-wuerzburg.de.

October 28-30, International Symposium on Natural Medicines, Kyoto, Japan. Organized by the Japanese Society of Pharmacognosy. Contact: Prof. Gisho Honda, General Secretary, International symposium on Natural Medicines, Faculty of Pharmaceutical Sciences, Kyoto University, 46-29, Yoshida-Shimoadachi, Sakyo, Koyto, 606-01 Japan. Fax: 81-75-753-4591

November 10-15, II World Congress on Medicinal and Aromatic Plants for Humal Welfare Wocmap II, Mendoza, Republica Argentina. Contact: Dr. Arnaldod Bandoni, SAIPA, Av. de Mayo 1324 - 1° piso, oficina 36 (1085) Buenos Aires, Argentina Te/Fax (54-1) 383-2360 (54-1) 961-7637 E-mail: postmaster@saipa.org.ar

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ogist who developed several screening procedures to test phytopharmaceuticals --such as the well-known Hippocratic Screening. He was also an extraordinary mentor practicing the old fashioned approach to the master-apprentice relationship. Marvin believed there were many consequences and responsibilities in bringing new scientists to this world --including maintaining long-term relationships with them. He was major advisor to more than forty graduate students.

Unfortunately, because of his private nature, only few of us had the opportunity to see the many aspects of his unique personality: as head of a family, as editor of scientific and literary journals, as a consultant, as a writer, as a painter, and as an art collector.

Dr. Malone was born in Fairbury, Nebraska and attended the University of Nebraska at Lincoln where he received a B.S. in Pharmacy in 1951, an M.S. in Physiology/Pharmacology in 1953 and a Ph.D. in Pharmacology in 1958.

He worked four years as a research assistant in the division of pharmacodynamics at the Squibb Institute for Medical Research, under Bernard Rubin. There he got involved in the design of bioassays to test Rauwolfia and Veratrum alkaloids. In 1958 he was hired as an Assistant Professor of Pharmacology at the College of Pharmacy at the University of New Mexico. In 1961 he became Associate Professor of Pharmacology and Toxicology at the University of Connecticut, and in 1969, a Professor at University of the Pacific in Stockton, California, where he retired in 1990. A prolific writer, he published more than 240 articles including scientific papers, abstracts, historical reviews, book chapters and a textbook. Dr. Malone was also the editor of the *American Journal of Pharmaceutical Education*, the *Journal of Ethnopharmacology* and the *Wormwood Review*, a literary magazine. He also served on the editorial boards

of many scientific journals including the *Journal of Natural Products* (Lloydia), *Economic Botany*, *Journal of Pharmaceutical Sciences* and the *Journal of Pharmacology and Experimental Therapeutics*. He was affiliated with more than 20 professional and honorary societies and received, among other honors, the Outstanding Educator of America Award. He was an active member of the American Society of Pharmacognosy since 1962.

Among his most important contributions was the establishment of a strategy for the screening of ethnopharmaceuticals. This approach includes a rational ethnobotanical search for plant materials, the evaluation of crude plant materials using Hippocratic Screening -- a multidimensional screening in intact animals-- and the use of a confirmatory pharmacodynamic screening to test autonomic effects and how to determine toxicity and side effects. His contributions also include the development of methods to test antiinflammatory agents, the screening and pharmacological evaluation of the toxic principles of higher fungi and alkaloids from *Heimia salicifolia*.

Marvin is survived by his wife Shirley, his daughter Christa, and his two granddaughters Sierra and Erica.

We shall all miss Marvin H. Malone. But as suggested in one of his postulates about one's head, art and science, he will be always present in spirit. These postulates delicately touch on the differences and similarities between art and science. One reads: "Art initially based on what is real and true can have life of its own and can survive the death of its creator. So also for science. To the extent that art and science exist, they are virtually synonymous -- they give meaning to their creators' lives. They allow one to share what's within one's head."

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ual members of our Society comment from time to time on their understanding (often misunderstanding) of what pharmacognosy means. Many schools have changed the name to something else or have deleted it altogether. I believe this results from an attempt to distance themselves from the term 'pharmacognosy' because of the perceived belief that the discipline reflects only the botanical aspects of natural drugs. There is an excellent historical account of pharmacognosy published in *Pharmacognosy and Pharmacobiotechnology* written by James E. Robbers, Marilyn K. Speedie and Varro E. Tyler and published by Williams and Wilkins (1996, pages 1-2). Simply put, pharmacognosy encompasses all information, whether botanical, biological or chemical, on compounds from natural sources (plants, animals and microorganisms). Certainly, the discipline has undergone some evolutionary changes over the years, but then what discipline in Pharmacy has not! The resurgent use of herbal medicinal products has brought a new realization that the botanical, biological and chemical aspects of natural medicines (Pharmacognosy) is once again an important issue that Schools and Colleges of Pharmacy must address in their curriculum. Do you know what pharmacognosy is and can you explain it? I believe every member of the American Society of Pharmacognosy should know (whether they are associated with Schools or Colleges of Pharmacy or whether their affiliations reside elsewhere) AND understand its meaning AND be able to explain it readily. Visit our ASP website for additional information on the ASP (<http://www.temple.edu/ASP/>). I welcome comments on these observations.

Charles D. Hufford, President, ASP
E-mail: chufford@olemiss.edu

MORE MEETINGS

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1997-98 Programme of meetings of The Phytochemical Society of Europe. Contact: Dr. R. H. Robins, Honorary Meetings Secretary, Laboratoire de RMN-RC, Faculté des Sciences, 2 rue de la Houssinière, F-44072 Nantes Cedex 03, France. Fax: +44-116-257-7287

January, 1997--Regulation of the Primary Metabolic Pathways in Plants, Oxford, U.K. (Dr. N. J. Kruger)

April 20-24, 1997--See above.

September, 1997--Bioassay and Screening Methods in Phytochemistry, Uppsala, Sweden (Prof. L. Bohlin)

April 1998--Isoquinoline and Indole Alkaloids, Istanbul, Turkey (Prof. G. Sariyar)

September, 1998--Biologically Active Peptides, Oslo, Norway (Prof B. S. Paulsen)

Other Meetings of Interest—1998

May 26-29, VIIIth International Symposium on Luminescence Spectrometry in Biomedical and Environmental Analysis-Detection Techniques and Applications in Chromatography and Capillary Electrophoresis, Canary Islands, Spain. For information contact: Dr. José Juan Santana Rodríguez, Symposium Chairman, University of Las Palmas de Gran Canaria, Department of Chemistry - Faculty of Marine Sciences, 35017 Las Palmas de Gran Canaria, Spain. Phone: +34(9)28 45.29.15 / 45.29.00 FAX: + 34(9) 28 45.29.22 email: josejuan.santana@quimica.ulpgc.es.

NOMINATIONS FOR HONORARY MEMBERSHIP

Nominations for Honorary Membership in the American Society of Pharmacognosy are now being accepted by the Honorary Membership Committee. If you would like to nominate a member for this distinguished honor, please forward your nomination as well as supporting biographical data to: Arnold Brossi, Ph.D., 5713 Wilson Lane, Bethesda, MD 20817. Phone: (301) 320-3072.

The Society is pleased to welcome all our new members. Unfortunately we don't have sufficient space in this newsletter to include all of you who have recently joined. We have included as many as we could in this issue and will continue the list in the next issue.

ACTIVE MEMBERS

- | | | |
|---|---|--|
| Darren Abbariat Wyeth-Ayerst Research Pearl River, New York | Larry Coats Bear Creek Pharmacy Wildomar, California | Susan B. Horwitz Albert Einstein College of Medicine Bronx, New York |
| Josh Abraham Stella Pharmaceutical Canada Inc. Don Mills, Ontario, Canada | Peter A. Cohen Columbia University Bethesda, Maryland | Indra Huber Emily Medical Rx San Ramon, California |
| Jon Anderson Estee Lauder Company Melville, New York | Maria Laura Colombo Institute for Pharmacological Sciences Milano, Italy | Tuah R. Jenta Medichem Research, Inc. Lemont, Illinois |
| Michael P. Balogh Waters Milford, Massachusetts | Richard Devereaux Richard Scientific Novato, California | James P. Kababick San Juan Capistrano, California |
| Marilyn Barrett Pharmacognosy Consulting Services Redwood City, California | Annette Dickinson Council for Responsible Nutrition Washington, DC | Massuo Jorge Kato Universidade de Saõ Paulo Saõ Paulo, Brazil |
| Dominick V. Basile Lehman College Bronx, New York | Dennis L. Doubek Arizona State University Tempe, Arizona | Michael D. Kennedy Division of OTC Drug Evaluation, FDA Hagerstown, Maryland |
| Margaret R. Basile Lehman College Bronx, New York | João Batista Fernandes Universidade Federal de Saõ Carlos Saõ Carlos, Brazil | Kyusoo G. Kim Ridgewood, New York |
| Valerie S. Bernan Wyeth-Ayerst Research Pearl River, New York | Xiong Fu Norman, Oklahoma | Thomas Ostenfeld Larsen Technical University of Denmark Lyngby, Denmark |
| Reimar C. Bruening ChemGenics Pharmaceuticals Cambridge, Massachusetts | Maysa Furlan Instituto de Quimica Araraquara, Brasil | Hiromichi Matsuura Medicinal Chemistry and Pharmacognosy, UIC Chicago, Illinois |
| Lining Cai Dows Institute for Dental Research Iowa City, Iowa | H.S. Garg Central Drug Research Institute Lucknow, India | Melissa McGuire GWL Hansen's Disease Center Louisiana State University Baton Rouge, Louisiana |
| Rick Cannell Glaxo Wellcome United Kingdom | Walter E. Goldstein Goldstein Consulting Company Foster City, California | Richard C. Moon University of Illinois at Chicago Chicago, Illinois |
| Todd Capson University of Utah Salt Lake City, Utah | Aidan Harrison Nalorac Corporation Martinez, California | Bernard Muckensturm Université de Haute Alsace Mulhouse, France |
| Juceni P. Chavez Universidade Federal Da Bahia Salvador, Brazil | James V. Heck Merck Research Laboratories Rahway, New Jersey | Ramesh Mullangi Natural Product's Division Hyderabad, India |
| Deng-Hai Chen Taiwan, R.O.C. | Thomas Hemscheidt University of Hawaii Honolulu, Hawaii | Chris Murray Natural Products Service Group Boulder, Colorado |
| Chien-Chih Chen Taipei, Taiwan | | |

Dr. E. John Staba
College of Pharmacy
University of Minnesota
Minneapolis MN 55455



David J. Slatkin, Ph.D., Treasurer
The American Society of Pharmacognosy
P. O. Box 9558
Downers Grove, Illinois 60515

MEMBERSHIP

Membership in the American Society of Pharmacognosy is recognized in several categories:

Full Membership

Full membership is open to any scientist interested in the study of natural products. Dues are \$25.00 per year. In order to receive the *Journal of Natural Products* the subscription rates are as follows: United States: \$50.00; Canada and Mexico: \$60.00; Europe: \$70.00; All other countries: \$74.00.

Associate Membership

Associate membership is open to students of pharmacognosy and allied fields. These members are not accorded voting privileges, and dues are \$15.00 per year. In order to receive the *Journal of Natural Products* the subscription rates are as follows: United States: \$35.00; Canada and Mexico: \$45.00; Europe: \$55.00; All other countries: \$59.00.

Emeritus Membership

Emeritus membership is open to retired members of the Society who maintained membership in the Society for at least five years. Dues are \$5.00 per year. These members receive the *ASP Newsletter*. Emeritus members may subscribe to the *Journal of Natural Products* at the Full Member rates.

Honorary Membership

Honorary members are selected by the Executive Committee of the American Society of Pharmacognosy on the basis of meritorious service to pharmacognosy.

Present Honorary Members are:

Dr. Jack L. Beal, Columbus, Ohio
Dr. Arnold Brossi, National Institute of Health, MD
Dr. David P. Carew, University of Iowa
Dr. Norman R. Farnsworth, University of Illinois
Dr. R. Hegnauer, Leiden, Netherlands
Dr. Albert Hofmann, Switzerland
Dr. S. William Pelletiere, University of Georgia
Dr. James E. Robbers, Purdue University
Dr. Richard E. Schultes, Harvard Botanical Museum
Dr. Varro E. Tyler, Purdue University
Dr. Hildebert Wagner, University of Munich
Dr. Monroe E. Wall, Research Triangle Institute, NC
Dr. Heber W. Youngken, Jr., University of Rhode Island

Additional information about memberships may be obtained by writing to the Treasurer of the Society:

David J. Slatkin, Ph.D., Treasurer
The Am. Society of Pharmacognosy
Chicago College of Pharmacy
555 31st Street
Downers Grove, IL 60515

ASP Newsletter

Joy B. Reighard, Ph.D.
Editor

Barbara H. Grissani
Editorial Assistant

Deadlines for submission of information are as follows:

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Summer Issue - June 1st
Fall Issue - September 1st
Winter Issue - December 1st

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