The Ohio Academy of Science

2001 District Science Days

District Contacts

District 1 Defiance College
March 24, 2001
Dr. Karen McCracken
Defiance College
Div. of Science and Math
Defiance, OH 45820
(419) 783-2494
kmccracken@delfiance.edu

Mr. James Short
Gohara Fayette HS
PO Box 509
Fayette OH 43521
(419) 237-2114
Fay_ACA_USG
nwoca.oeo.ohio.gov

District 2 Univ. of Toledo
March XX
Dr. Mark Camp
University of Toledo
Dept. of Geology
Toledo OH 43606-3390
(419) 530-2398
mcamp@geology.utoledo.edu

Ms. Mikkel Hedley
Central Catholic HS
4531 Woodland Lane
Sylvania OH 43560
(419) 255-2280
mhedley@unfo2.utoledo.edu

District 3 OSU Marion
March 24, 2001
Dr. Brian W. McEnnis
OSU-Marion
1465 Mt. Vernon Ave.
Marion, OH 43302-5885
(740) 389-6786 x6271
marion.1@osu.edu

Ms. Carol White
Baker MS
400 Pennsylvania Ave.
Marion, OH 43302-5695
(740) 389-6786 x6271
marion.1@osu.edu

District 4 Ashland Univ.
March 24, 2001
Dr. Michael Hudson
Ashland University
Ashland, OH 44805
(419) 289-8270
mhudson@ashland.edu

Mr. Jeff Steele
Mapleton HS
1021 Columbus Circle N.
Ashland, OH 44805
(419) 945-2188
mapleton@cc.owu.edu

District 5 Univ. of Akron
March XX
Dr. Ali Dhinojwala
The University of Akron
Dept. of Polymer Science
Akron OH 44325
(330) 972-6246
aidl@polymer.uakron.edu

Mrs. Toni Miller
Springfield HS
721 Northwood Dr.
Unington OH 44685
(330) 972-6898

District 6 Ohio Northern Univ.
March 10, 2001
Dr. Nancy Woodley
Ohio Northern University
Dept. of Biological Sciences
Ada, OH 45810-1599
(419) 772-2324
n-woodley@onu.edu

Mr. Spencer E. Reames
Benjamin Logan HS
209 Blair Ave.
Belfortaine, OH 43311
(937) 382-1666
oaipa@bright.net

District 7 Columbus State
Community College
March XX
Dr. Michael Rennekamp
Columbus State Comm. Coll.
Biological & Physical Sci.
550 E. Spring St.
Columbus, OH 43215-1609
(614) 287-5012
mrennek@cscc.edu

Mr. Larry Hohman
Willard Grizzell MS
8705 Manley Rd.
Dublin, OH 43017
(614) 798-5012
lhohman@watty.net

District 8 OU-Lancaster
March 24, 2001
Dr. Steve Nemey
Ohio University-Lancaster
1570 Granville Pike
Lancaster OH 43130-1097
(740) 654-6711 Ext. 229
doemney@ohiou.edu

Mr. David P. Thrush
Fairfield Union HS
6675 Ireland Rd.
Lancaster OH 43130
(740) 536-7306
thrush@greenapple.com

District 9 Marietta College
March 17, 2001
Prof. David Freeman
Marietta College
Dept. of Petroleum Engineering
Marietta, OH 45750
(740) 376-4778
freemand@monet.marietta.edu

Mr. Steve Mencer
Meadowbrook MS
5607 Marietta Rd.
Byesville, OH 43723
(740) 685-2561

District 10 Wright State Univ.
March 31, 2001
Dr. Lois Cook
Wright State University
Dept. of Science & Math
Dayton, OH 45435
(937) 775-3539
lois.cook@wright.edu

Ms. Phyllis Frysinger
2551 S. Pitchin Rd.
Springfield, OH 45502
(937) 265-5603
msfrysinger@gmail.com

District 11 Miami University
March 31, 2001
Ms. p. Helen Stevenson
Miami University
Physics Dept.
Oxford, OH 45056
(513) 529-1859
scienceaday@muohio.edu

Ms. Donna Davis
Youngstown State University
March 3, 2001
Youngstown State University
Dept. of Biology
Youngstown OH 44502-1394
(330) 742-8104
madonna_j_pinkard@eog.com

District 12 Ohio University
March 3, 2001
Dr. James Y. Tong
Ohio University
Department of Chemistry
Athens, OH 45701-2879
(740) 593-2754
tong@ohiou.edu

Mr. Jason A. Clark
Zane Trace HS
946 St. Rt. 180
Chillicothe, OH 45601
(740) 775-1897
cjc@bright.net

District 13 Walsh University
March XX
Dr. Tom Freeland
Walsh University
280 Eastern St. NW
N. Canton OH 44720-3396
(330) 490-7228
freeiland@alex.walsh.edu

Mrs. Connie Hubbard
Hoover HS
525 Seventh St. NE
N. Canton, OH 44720
(330) 497-5620
chubbard@raex.com

District 14 Shawnee State University
March 24, 2001
Ms. Judy Meekeer
Shawnee State University
4800 11th Ave
Portsmouth, OH 45662
(740) 355-2411
jmeeker@shawnee.edu

Ms. Sharilyne Rice
Clay HS
56 Clay High St.
Portsmouth, OH 45662
(740) 354-6644
rice5@clay.k12.oh.us

District 15 Youngstown State University
March 3, 2001
Dr. Jeffrey Dick
Youngstown State University
Department of Geology
Youngstown OH 44555-0001
(330) 742-3612
jdc10@cc.ysu.edu

Ms. Madonna Pinkard
Community Affairs Rep.
East Ohio Gas Company
1155 Hayen Ave.
Youngstown OH 44502-1394
(330) 742-8104
madonna_j_pinkard@eog.com

District 16 Belmont Technical College
March 24, 2001
Ms. Rita Fulton
Belmont Technical College
Dept. of Biology
120 Fox-Shannon Pl.
St. Clairsville, OH 43950
(740) 695-9500 Ext. 1100
RFulton@belmont.cc.oh.us

Mr. Vince Thurmond
Shadyside HS
5400 I Full Hill Rd.
Bellaire OH 43906

State Science Day
Ohio Wesleyan University
April 28, 2001

Dr. Michael G. Grote
State Science Day
Director
Ohio Wesleyan Univ.
Dept. of Education
Delaware OH 43015
(740) 368-3561
mgrote@cc.owu.edu

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The Ohio Academy of Science

announces the opening of the position of

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of

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effective January 1, 2001

Application deadline:
Postmarked by November 1, 2000

The volunteer Editor shall be a member of the Academy and a scientist, engineer, technologist, or educator with a distinguished publication record and who has an interest in and knowledge of editing and publishing. Candidates should be currently active in research, be reasonably well organized, have tact, diplomacy and good judgment, have a sense of humor, have excellent working relationships with the administration of their employers, and be at an appropriate stage in their careers. The Editor shall supervise a part-time editorial assistant. Prior editorial experience is expected. Term of office shall be a minimum of five years.

Duties — The Editor shall: (1) Be a member of the Executive Committee, Board of Trustees, Finance Committee and the Publications Committee; (2) Encourage submission of manuscripts for The Ohio Journal of Science and arrange for their peer review and, if they qualify, for their timely publication; (3) Participate in the financial affairs of the Journal; (4) Receive all manuscripts submitted to the Journal; (5) Be responsible for ensuring that the Journal is published in a timely fashion, for maintaining a high quality of articles, and for securing peer review of manuscripts by competent referees.

Contact the Academy for additional information about the position.

Candidates should send four complete copies of a curriculum vitae and letter of application detailing qualifications including editorial experience to:

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The Ohio Journal of Science
Author’s Instructions for Preparation of Manuscripts

The Ohio Journal of Science considers for publication solicited Book Reviews and Research Reviews, and unsolicited Brief Notes and Research Reports. Solicited submissions will be requested by the editor or member of the editorial board. Book reviews will be requested of experts in the subject matter of the book to be reviewed. Research Reviews will be requested to serve as extensive surveys of the literature on an area of science in which Academy members have an interest.

 Unsolicited submissions, in the form of presentations of quantitative or qualitative data pertinent to any of the sections of the Academy listed inside the front cover, will be considered for peer review. Brief notes are manuscripts that are less than 2 printed pages (approximately 6 typed pages) and contain no more than one table, figure or other type of illustration. The editor will identify papers which meet these criteria as Brief Notes if not already categorized as such by the author. Research Reports are those papers which are longer than 2 pages or contain more than one illustration.

 All manuscripts will be organized as follows:
- Page 1 – Title, Author(s), Running Head, Abstract
- Page 2 and remainder: Introduction, Materials and Methods, Results, Discussion, Acknowledgments, Literature Cited, Tables, Figures, Legends, Figures.

**STYLE.** The CBE Manual for Authors, Editors, and Publishers, 6th ed. is used for editorial decisions with regard to style. Manuscripts should be typewritten using 1 inch margins on 8.5 x 11 inch paper. Text should be left-justified using elite print (twelve characters per inch). Three copies should be submitted. Manuscript should be double-spaced throughout, including the title and abstract. Arabic numerals should be used in preference to words when the number designates anything that can be counted or measured (7 samples, 43 species). One exception to this use is that numerals are not used to begin a sentence (Twenty-one species were found in...). The 2nd exception is when numeric expressions are adjacent in a sentence. The number easiest to express in words should be spelled out and the other left in numeric form (The sections were divided into eight 4-acre plots).

**TITLE, AUTHOR(S), AFFILIATION(S).** The first page of the manuscript should contain the title, author(s) name(s), the affiliation of the author(s) at the time the research was carried out, a shortened title (running head), and the abstract. The title must be typed in upper and lower case letters as it will appear when typeset. Name(s) of the author(s) should be typed in capital letters below the title. The address (department, institution, city, state, postal code, country if not USA) should appear below the name of the author(s). If more than one institution is to be credited, they should appear in the order of the authors' affiliation. A running head of not more than 38 letters and spaces should be typed in capital letters between the address and the abstract.

**ABSTRACT.** The abstract should summarize the main conclusions and any new methods or procedures critical to the results of the study. It should be 250 words or less.

**INTRODUCTION.** The introduction should describe the knowledge that gave rise to the question examined by, or the hypothesis posed for the research.

**MATERIALS AND METHODS.** This section should describe the research design, the methods and materials used in the research (subjects, their selection, equipment, laboratory or field procedures), and how the findings were analyzed.

**RESULTS.** The text of the results should be a descriptive narrative of the main findings, of the reported study. This section should not list tabulated data in text form. Reference to tables and figures included in this section should be made parenthetically in the text.

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**ACKNOWLEDGMENTS.** Colleagues and/or sources of financial support to whom thanks are due for assistance rendered in completion of the research or preparation of the manuscript should be recognized in this section rather than in the body of the text.

**LITERATURE CITED.** References to scientific literature should be arranged alphabetically by first author’s last name using the Name/Year (N-Y) method as described in the CBE Manual.

- **Journals**
  - Form of citation: (Thomson 1998)
- **Books**
  - Author(s). Year. Title. Place of publication: publisher name. Number of pages.
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**TABLES.** Tables must be typed double-spaced, one table to a page, numbered consecutively, and placed in the manuscript after Literature Cited. Since tables must be individually typeset, consolidation of data into the smallest number of tables is encouraged. A horizontal double underline should be made beneath the title of the table, and single underlines should be made the width of the table below the column headings and at the bottom of the table. Do not use vertical lines, and do not place horizontal lines in the interior of the table. Footnotes should be used to clarify possible questions within the table, and should be noted by asterisks, daggers, or other symbols to avoid confusion with numerical data.

**FIGURES.** All illustrations are referred to as “Figures” and must be numbered consecutively. Figures may be photographs, hand drawn or computer generated drawings in black ink. Each figure should be identified along the top edge with the name of the author(s) and figure number, and on the back with name of author(s) and manuscript title. Illustrations other than those generated by the author(s) must bear permission for use and credit to the originator. ORIGINAL ARTWORK WILL NOT BE RETURNED UNLESS SPECIFICALLY REQUESTED AT TIME OF SUBMISSION. Each figure must have a complete legend. The legend should not be placed on the figure, but should be typed in order, double-spaced, on a separate sheet which precedes the figures in the manuscript. Figures should be referred to parenthetically in the text, for example (Fig. 1). The size and proportion of each illustration should be suitable for reduction. Excessive white space should be avoided. Illustrations will be reduced to one column width (5 and 3/8 inches) or two column width (7 inches) at the discretion of the editor. Lettering should be done of a size to ensure that it can be read after reduction. On maps and other illustrations where original size is a concern, a graphic scale should be incorporated into the figure.

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How to Prepare a College Undergraduate Research-in-Progress Summary

In order to accelerate the entry of college undergraduate students into the professional world of education, science, engineering, technology, or their applications, The Ohio Academy of Science has adopted the following policy and procedures to accept and publish summaries of college undergraduate research-in-progress in lieu of abstracts for the Annual Meeting. Papers, based on the student’s research, may be presented in either podium or poster format. Undergraduates whose research is unfinished by the abstract submission deadline may submit an Undergraduate Research-in-Progress Summary in lieu of an abstract. This summary is a statement following the general typing and submission instructions for an abstract. The summary shall contain the following elements: (1) background or introduction including goals, objectives, purpose, and hypothesis, (2) methods and materials, and, (3) if available, initial observations. Phrases like “will discuss, will review, will talk about, or will present” are unacceptable in a summary. All important facts should be stated with brevity, but not such sparing use of words as to leave ambiguity. Summaries should be 250 words or fewer. Tables and graphs should not be included. New techniques or new apparatus and their functions should be mentioned. New constants, initial critical data, if available, or formulae should be included. Names of new species should not be listed in the summary; use full scientific names for all organisms. The value of summary is real and considerable, not only for those in attendance, but also for others unable to attend. Summaries shall be presented by the college undergraduate first author. It is the responsibility of the first author of multi-authored summaries to obtain permission from all authors and research advisor(s) to submit the content of the summary. Undergraduate Research-in-Progress Summaries shall be reviewed for conformity to general format but SHALL NOT BE CONSIDERED A PEER-REVIEWED SCIENTIFIC PUBLICATION. Summaries shall not be accepted for publication without a signed statement from the advisor(s) whose name(s) appear in the summary, vouching for the accuracy of the summary and, barring some compelling reason, assuring that the undergraduate will present the work, including results, analysis of results, and any conclusions available, at the Academy’s Annual Meeting. Acceptable final summaries—to be submitted by Email when requested by the Academy—will be published in the Program Abstracts issue of The Ohio Journal of Science and shall be identified as a summary by including the advisor’s name in parentheses.

Instructions for Submitting a College Undergraduate Research-in-Progress Summary

Please include the following elements: (1) background or introduction including goals, objectives, purpose, and hypothesis, (2) methods and materials, and, (3) if available, initial observations. Phrases like “will discuss, will review, will talk about, or will present” are unacceptable in a summary. All important facts should be stated with brevity, but not such sparing use of words as to leave ambiguity. Summaries should be 250 words or fewer. Tables and graphs should not be included. New techniques or new apparatus and their functions should be mentioned. New constants, initial critical data, if available, or formulae should be included. Names of new species should not be listed in the summary; use full scientific names for all organisms. The value of summary is real and considerable, not only for those in attendance, but also for others unable to attend. Summaries shall be presented by the college undergraduate first author. It is the responsibility of the first author of multi-authored summaries to obtain permission from all authors and research advisor(s) to submit the content of the summary. Undergraduate Research-in-Progress Summaries shall be reviewed for conformity to general format but SHALL NOT BE CONSIDERED A PEER-REVIEWED SCIENTIFIC PUBLICATION. Summaries shall not be accepted for publication without a signed statement from the advisor(s) whose name(s) appear in the summary, vouching for the accuracy of the summary and, barring some compelling reason, assuring that the undergraduate will present the work, including results, analysis of results, and any conclusions available, at the Academy’s Annual Meeting. Acceptable final summaries—to be submitted by Email when requested by the Academy—will be published in the Program Abstracts issue of The Ohio Journal of Science and shall be identified as a summary by including the advisor’s name in parentheses.

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