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***** PROTISTOLOGY

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EMAIL NEWSLETTER - 21 DECEMBER 1994
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In This Issue:

- 1) Editor's Note
- 2) Email addresses for Protistologists
- 3) Book Project - Concepts and Experiments in Protozoology
- 4) The Money Hunt
PEET Update
- 5) News of Colleagues
 - a) Birth announcement - Lynn Rothschild
 - b) Louise Goggin - new email address
 - c) Paddy Patterson update
- 6) Upcoming Meetings
- 7) ISEP-10 Group Photo
- 8) Membership Form
- 9) Illustrated Guide to the Protozoa - Prepublication Sale

- 1) Editor's Note
Charley O'Kelly, Newsletter Editor
okellyc@bch.umontreal.ca

Here's hoping you're enjoying the holiday season and all that goes with it.

But, just in case you need a laugh, or maybe something novel for that New Year's costume party (or the dreaded First Lecture of the New Year), consider the following. Lynn Rothschild sent it to me from Carolyn Bird, who found it in the catalogue of the "Herbarium Supply Company" [which is a real company; email me for info if you wish, none of us three has any affiliation with it] and posted it in the ALGAE-L email newsgroup.

> > The Linnean Wig -- dignified, classical, ideal for your next
> > presentation. Creates an air of instant credibility. Reflect
> > enhanced knowledge of your subject. Show your respect for the
> > past. Be the first in your department (to have one)!

Carolyn adds:

> Clearly a must for those of us botanists, especially taxonomists, who
> are having credibility problems nowadays!

> For only US\$34 you can obtain this marvellous adjunct to your most
> stifling lecture ..."

Yes, but for the full effect, you need the gown too ... and I suppose a cane wouldn't be out of place. :-) Anybody got any images of Ernst Haeckel, and period costumes to go with them?

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The Newsletter reads best, I think, when we all share items like this among ourselves. It's also easier for the Editor to prepare :-). I welcome any items you'd care to pass along.

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Tim Littlejohn tells me there have been 220 or so logins to the ISEP

World Wide Web archive since the first of November. Have you had a chance to browse this archive yet? Any problems? Tim and I would like to have your feedback. Even if it's to say "it's a great idea but we can't access the World Wide Web here". In case you don't have the URL address on file:

<http://megasun.bch.umontreal.ca/isep/isep.html>

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We are still working on the Membership Directory, with hopes of having it ready early in the New Year. Also, the hardcopy edition of the Newsletter should be ready for mailing sometime near the end of January. If you know of a member who has changed address recently, or who has a functional email address but is not getting these email newsletters, let me know and I will try to get matters set right. At my last assessment, the email newsletter reaches less than half of the membership - and I can't believe that all these people don't have email. Any and all assistance appreciated.

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Happy Holidays, and best wishes for the New Year!

2) Email Addresses for Protistologists

Charley O'Kelly

Glenn Herrick of the University of Utah, in collaboration with Dan Jacobsen of Johns Hopkins University, has compiled a list of email addresses for persons associated with the field of protistology. A number of ISEP members are listed here, but some listings have obsolete addresses, and many members do not appear at all.

You can access this list through the ISEP WWW site (click on "Other Internet databases/newsgroups on protists", located at the bottom of the ISEP "home" (first) page, to find it), or through gopher at:

gopher.gdb.org

The list resides in the subdirectory "Searching for Biologists". If you're having trouble locating the list, let your systems administrator, or Tim Littlejohn or myself, know.

Once you are there, you will discover several tools for using the directory, including a tool for adding and updating directory information. You can add your name and address, or correct the entry that's there. Note, though, that the additions/corrections are not made instantaneously; the tool sends an email message to Glenn and Dan, who then assemble the information and update the database at intervals.

As I mentioned, there are lots of omissions and errors in the list as it now stands. In my opinion, the more correct and up-to-date such databases are, the better it is for everybody. However, I will make no changes to this Directory from ISEP lists, or offer any data from our archives, in the absence of a specific request to do so. If you want me to check your entry, let me know, otherwise over to you.

3) Book Project - Concepts and Experiments in Protozoology

Mark Farmer (Newsletter Editor, Society of Protozoologists)

farmer@emlab.zoo.uga.edu

Mark posted this item in the Usenet newsgroup bionet.protista on 1 December 1994, on behalf of O. Roger Anderson (ora@ldeo.columbia.edu).

Dear Colleague

As one of the initiatives we have identified this year, the Society of Protozoologists in collaboration with the National Science Teachers Association will publish a book co-edited by O.R. Anderson and Marvin Druger titled: Concepts and Experiments in

Protozoology: A Practical Guide for the Classroom. NSTA will print and distribute the book for us. This volume is intended to help teachers use hands-on experiences with protozoa to encourage students to construct interpretations of major concepts in biology. Protozoa provide convenient and often easily manipulated living organisms to explore experimentally the meanings of major biology concepts. We have identified six possible categories of laboratory activities:

1. Behavior and Motility
2. Feeding and Nutrition
3. Physiology and General Metabolism
4. Reproduction
5. Ecology and Population Biology
6. Genetics and Evolution
7. Diversity and Abundance

Each laboratory activity should be designed to explore some major biological concept or principle. The overall emphasis will be on the adaptation of organisms to their environments as a fundamental feature of all life. If you have recommendations for appropriate experiments or laboratory demonstrations using protozoa, we invite you to submit a brief description of the laboratory experience. We are particularly interested in new, creative laboratory experiences, although standard ones for protozoology that may not be familiar to teachers would also be appropriate.

The description should include the following:

AUTHOR'S NAME

1. Title of the laboratory experiment, the major concept(s) in biology illustrated by the laboratory experience, and a general statement of the biological significance of the experience as a rationale for the experience. That is, how does the concept illustrated relate to other major biological ideas, or to what extent is the experience useful as a way of gathering information in biological research.
2. Objectives of the experience. A brief statement of the purpose of the laboratory experience.
3. Materials and equipment required.
4. A brief outline of the procedures for the laboratory experiment. This need be only a brief outline at this point. We will ask you for a more complete description if we can incorporate your proposed chapter in our book.
5. Supplementary information to the teacher that may be useful in implementing the experience such as pitfalls to avoid, possible linkages to other laboratory experiences typically used in secondary school and/or college teaching, etc.

At this point we request only a basic outline as above, perhaps one to three pages. We will be in communication with you in the near future when we have reached a decision on what contributions can eventually be incorporated into the book. On the whole, we anticipate that the final contribution will be no more than 5 or 6 pages single-spaced. Therefore, we hope that this will not be an unreasonable burden and will also make a very helpful contribution to enhancing biological education, especially at the pre-college level. Please send your outline to: O.R. Anderson, Biological Laboratories, Lamont-Doherty Earth Observatory, Columbia University, Palisades, NY 10964

Please try to submit your outline by January 31, 1995. We appreciate your cooperation in this unique endeavor between two major Societies to improve science learning. Thank you for your consideration of this request. A sample outline is attached for your convenience.

BRIEF SAMPLE OUTLINE OF A PROPOSED LABORATORY EXPERIENCE

Title: Ecological succession

Rationale: The concept of succession is a major idea in ecology and applies to the time-dependent processes of changes in community structure occurring in a wide variety of habitats including wide ranging aquatic and terrestrial environments. To enhance the development of the concept by direct experience and illustrate the dynamics of changes in populations with time, protozoa provide a convenient tool for classroom applications.

this experience is readily adapted to a wide variety of classroom locations including urban settings.

Objective: To illustrate the concept of succession in an aquatic community and to examine some of the variables that may account for differences among varying habitats.

Materials:

1. Compound light microscope with at least 40X objective.
2. Gallon size glass jars (two or more).
3. Pond water or aged tap water.
4. Soil or pond water with sediment as a source of protozoa.
5. Hay, dried wheat, leaves, or other source of organic matter as detritus
6. Droppers with rubber bulbs.

Procedures:

1. Fill each of 2 gallon jars about 3/4 full with pond water or aged tap water.
2. Add about a tablespoon of good quality soil from a park or other area with vegetation to each of the gallon jars.
3. In one of the jars add some organic matter such as hay, dried wheat, or other dry organic matter as a source of nutrients.
4. Place each of the jars under fluorescent illumination or on a window sill where they will remain cool and receive indirect sunlight (a north window is often suitable).
5. At regular intervals over a period of two weeks, sample the water at different levels in the jar and describe the kinds of protozoa and photosynthetic organisms present.
6. Tabulate the data showing how the kinds of organisms change over time.
7. Examine the data from the two jars and determine if there are differences in the kinds of organisms observed and their changes with time in relation to the presence or absence of organic matter.

Information for the teacher: This experience can be modified to include the effects of pollutants on the kinds of protista observed and their composition over time. the findings from this experience can be generalized to other ecosystems such as successions in oceanic environments, and plant and animal successions on land.

4) The Money Hunt
Charley O'Kelly

"The Money Hunt" highlights potential sources of funds for investigators in protistology, compiled for whatever sources I can get my actual or virtual hands on. Anyone who has information on funding sources, please let me know. I would especially like to know about programs from outside North America, and to have tips on accessing the private funding markets.

Only new items appear in this Newsletter. A complete listing is available in the Money Hunt section of the ISEP WWW Archive.

---- PEET Update ----

As I mentioned in the October email newsletter, I participated in an open meeting in Washington DC at the end of November to discuss the new NSF program "Partnerships for Enhancing Expertise in Taxonomy". If you don't already have it, the relevant brochure is NSF94-109 and is available electronically through NSF's STIS service. The October email newsletter (archived in the ISEP WWW site) has further details.

NSF will publish a White Paper near the end of January that will summarize the deliberations of the ca. 40 taxonomists assembled. The White Paper is intended to serve both as a guide to proposers and a guide to reviewers of PEET proposals. My email address (on ISEP's behalf) is on NSF's mailing list. When the White Paper is available, I'll let folk know through the Newsletter, and the entire document will be archived in the WWW site; it will also be available through STIS.

I'll be happy to give a brief preliminary synopsis of what is likely to

be in the White Paper to anyone who asks. If there are enough requests, I'll summarize in the Newsletter (even if I have to present a single-page Extra Edition).

5) News of Colleagues

a) Birth announcement - Brooke Justine Rothschild

This announcement should have been in the November email newsletter - but the required synapses didn't fire. oops ... but I managed to remember this time, Lynn!

> Announcing the arrival of a neonatal lab assistant to Lynn Rothschild,
> Brooke Justine, on June 30, 1994 (note the unfortunate proximity to
> ISEP meeting...) Outside reviews include, "She is the most beautiful
> baby I've ever seen" and "She looks just like Elizabeth Taylor".
> Internal reviews include "Little tiny hands, little tiny feet" (Big
> Brother Kyle, age 2.4).

b) Louise Goggin's address

Louise moved back to Oz from Prince Edward Island, Canada, last northern autumn. The address change she posted then lacked a few essentials, such as an email address. The updated version is below.

Louise Goggin
Department of Parasitology
The University of Queensland,
Brisbane, QLD 4072
Australia
tel: (61) 7 3651475
fax: (61) 7 3651588
email: palgoggi@mailbox.uq.oz.au
louise.goggin@mailbox.uq.oz.au

The former email address is the one Louise provided. The latter one is the one that appears on the From: line in her email messages. I presume both work, but I've only tested the latter.

c) Paddy Patterson update

Quote: "Just let them know I am now well enough to be at the end of an email line." And to contribute information and ideas to the bionet.protista newsgroup, not to mention keeping me on my protistological toes (is that a mixed metaphor?). Keep 'em flyin', mate!

6) Upcoming Meetings

Only new items are listed in this Newsletter. A complete listing is available in the Upcoming Meetings section of the ISEP WWW Archive.

Have I missed a meeting of interest? Drop me a line!

----- Dates for ICOP-10 -----

The dates for the International Congress of Protozoology have been set for 28 July to 1 August 1997, inclusive. The venue is Sydney, Australia.

For more information, contact:

Professor D. J. Patterson
School of Biological Sciences A08
University of Sydney
Sydney, NSW 2006
Australia
tel: (61) 2 351 2438
fax: (61) 2 351 4119

email: paddy@extro.ucc.su.oz.au

7) ISEP-10 Group Photo

ISEP-10 registrants or other ISEP members who would like a copy of the Group Photograph taken at ISEP-10 should contact Mark Ragan at mark@imb.Lan.nrc.ca before 31 January 1995.

8) ISEP Membership Form

- [1] Make a hard copy of the form below.
 - [2] Airmail it, with your dues, to the ISEP Treasurer.
 - [3] Send Tim Littlejohn (tim@bch.umontreal.ca) or Charley O'Kelly (okellyc@bch.umontreal.ca) a message to let us know you've signed up.
- [snip] - - [snip]

INTERNATIONAL SOCIETY FOR EVOLUTIONARY PROTISTOLOGY
MEMBERSHIP APPLICATION/RENEWAL

Name:

Postal address:

City, state/province, country:

Postal code:

Telephone number:

Fax number:

E-mail address:

Membership dues are US\$ 25 (*) for two years.

[] I enclose for ISEP membership for the years 199__ through
____ .

Signature:

Date:

(*) Please remit US\$ 25 per two years' membership to:

Dr Jerome J. Motta
Department of Botany
University of Maryland
College Park, MD 20742 USA

Payment may be made by personal cheque (within the USA), bank money order or bank draft, international money order, or postal money order.

Currently, payment must be made in U.S. dollars.

We can accept payment for two, four, or more years.

[snip] - - [snip]

9) Illustrated Guide to the Protozoa - Prepublication Sale

ILLUSTRATED GUIDE TO THE PROTOZOA
2nd Edition
(including all groups classically considered protozoa)

Editors

John J. Lee, Gordon F. Leedale, David Patterson & Phyllis Bradbury

- *Completely revised and updated by 68 experts in their fields.
- *Expanded coverage (with a goal to mention every valid modern genus). Estimated 750 pages.
- *Over 4,200 figures, illustrations, and drawings (more than half new).
- *Organized by monophyletic assemblages using latest higher group taxonomic consensus wherever clear.
- *Easy to use taxonomic keys to each chapter.
- *Glossary explaining all the technical terms used in the book.
- *Organism and subject indices.
- *Desk top published by the Society of Protozoologists to keep costs low and purchase price affordable for students.

Prepublication Sale
Publication due Fall, 1995

Payment must accompany order. Advance payment will help underwrite costs of publication. Checks payable to "Society of Protozoologists".

Advance Sale Price \$65.00

Offer good only until June 30, 1995 - (Post publication price \$75 - 85.00)

Cut-off

Name _____	Mail to:
Address _____	Society of Protozoologists
_____	C/O Allen Press
_____	P.O. Box 1897
	Lawrence, Kansas 66044-9997
	USA

Enclosed is a check or money order for _____ copies of the I.G. II.