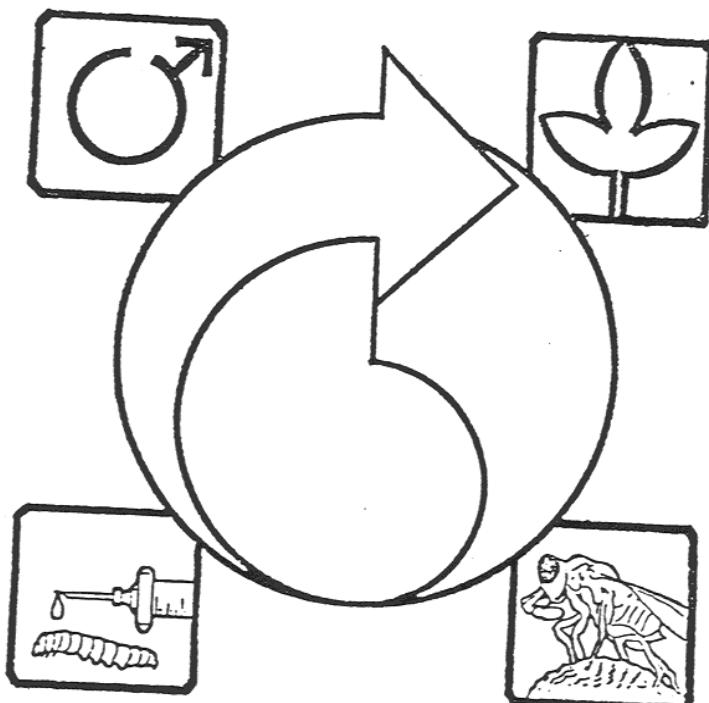


FERASS

newsletter



LUCKY 7's

INSECT REARING GROUP

VOL. 6

NO. 2

1980

November 7, 1980

EDITED BY

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ABOUT FRASS

The "Frass" Newsletter is published bi-annually by the Insect Rearing Group, which is currently composed of 575 scientists involved in insect rearing programs in 27 countries. The subscription to Frass is free; publication expenses for this issue were borne by Chevron Chemical Company.

The Frass Newsletter is a cooperative effort designed to provide a vehicle for communication among scientists involved in all aspects of insect rearing. The effectiveness of the Frass Newsletter depends on the continuous input of its subscribers. Your input is very important for keeping the Insect Rearing Group informed on the current state of the art and to promote its advancement. Give your support by sending comments, information requests, and abstracts of publications, etc., to the Coordinating Editor (see below).

* * * * *

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SURVEY RESULTS

The last issue of Frass (April 1980) discussed the issue of the Insect Rearing Group status with ESA. The matter in question was whether or not to seek sub-section, informal or formal conference status at ESA meetings. There were 25 responses from our membership survey:

<u>Status</u>	<u>Votes</u>
Sub-section	9
No sub-section	4
Informal Conference	1
Formal Conference	10
No preference	1

<u>Section Preference</u>	<u>Votes</u>
B	6
C	12
D	1
E	1
F	1
No preference	4

Though the number of responses was rather low, there was a clear preference for Section C (Ecology, Behavior, and Bionomics) without sub-section status and the use of the Formal Conference status for ESA meetings. This matter will be discussed at the 1980 National ESA Meeting in Atlanta.

INSECT REARING GROUP LOGO

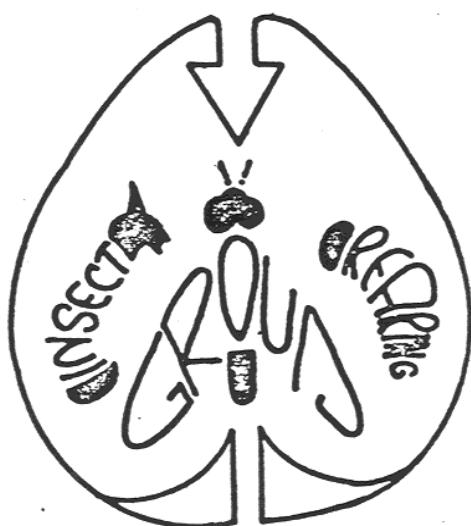
Several ideas for our logo have already been submitted, and we thank those who contributed their time and talents on this matter. Most of the ideas revolved around the design of Lockley which currently appears on the cover of "Frass" and other recent publications concerning insect rearing. There was one submission of three new designs (see attached rough drafts). These will be discussed at the National ESA Meeting in Atlanta. Your Frass editor would appreciate feedback from the membership on this matter.



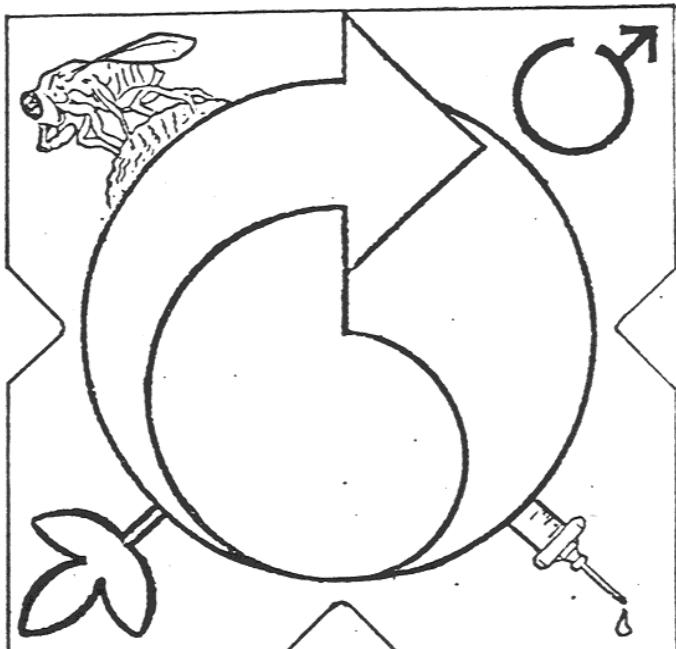
5. Robert L. Burton



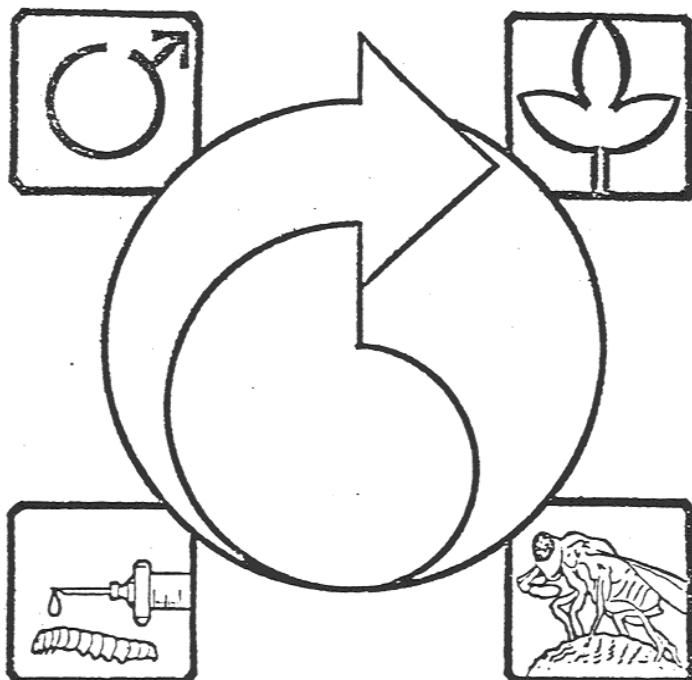
6. Robert L. Burton



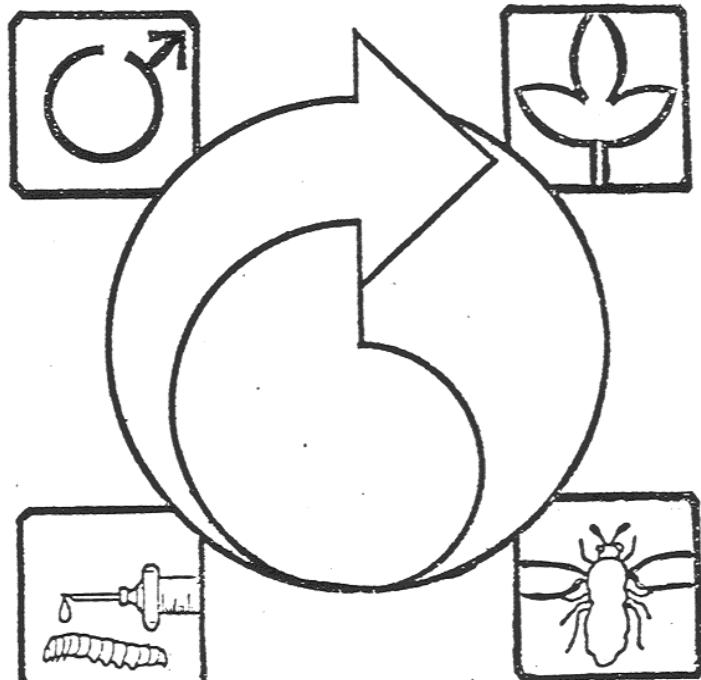
7. Robert L. Burton



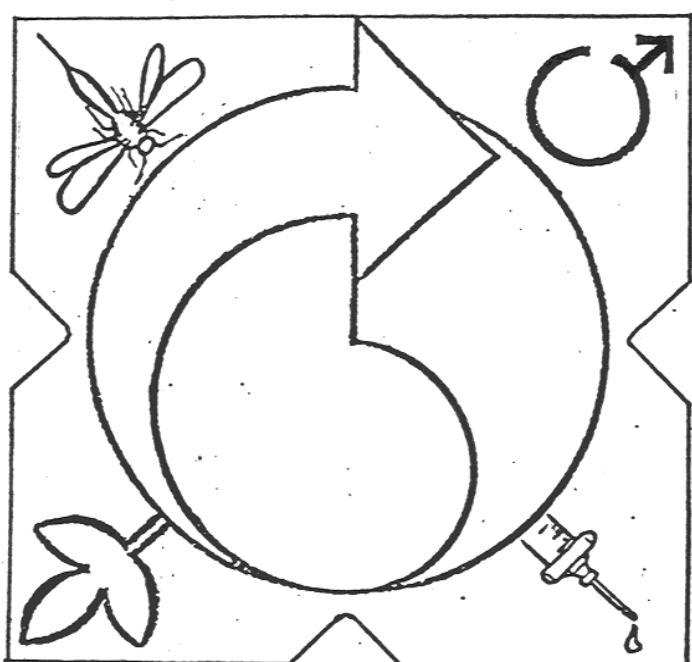
8. Leppa, king, others



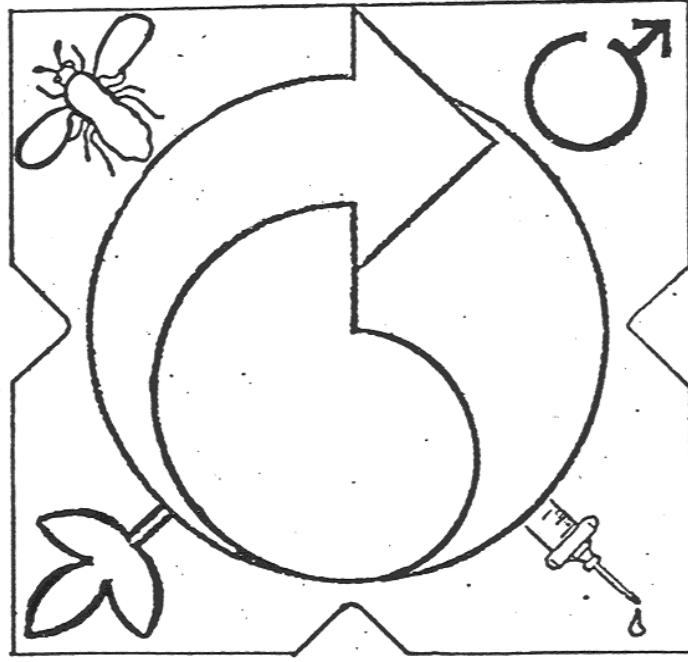
1. Lockley



2. Lockley, King



3. Paul A. Godwin



4. Leppla, King, others

INFORMATION REQUESTS

1. Request for reprints on artificial diets and procedures. Dr. Pritam Singh is preparing a supplement to his book "Artificial Diets for Insects, Mites and Spiders" published by Plenum Publication Corp. 1977. Since this supplement will cover diets published from 1976 to 1980, in addition to a comprehensive chapter on dietetics, nutrition and rearing, please continue to send copies of your publications promptly to:

Dr. Pritam Singh
Entomology Division
Dept. of Science & Industrial Research
Private Bag
Auckland, New Zealand

2. Need a starter colony and/or information on laboratory rearing of Feltia or Agrotis sp. (Lepidoptera:Noctuidae):

William L. Bubink
Ohio Agricultural Research & Development Center
Wooster, Ohio 44691
Tel. (216) 264-1021

3. Need a starter colony and/or information on laboratory rearing of the sunflower moth Homoesoma electellum:

Mary K. Mauel
716 West Barraque
Pine Bluff, Arkansas 71601
Tel. (501) 535-0463

4. Wanted: Cell-Pac (CP-25 or 36) holders for 1 oz. plastic cups. These are no longer available through Diamond National, Phoenix, AZ. Contact:

R. E. Redfern
Bldg. 309, Rm. 10
BARC - East
Beltsville, MD 20705
(301) 344-2298

5. It may be of interest to some FRASS readers that due to some of our employees developing allergic reactions to sodium hypochlorite solutions which were used for cleaning and surface sterilants, we have switched to 2.0% stabilized chlorine dioxide. Chlorine dioxide - which is nearly odorless - has eliminated the allergic reactions - skin rashes ,breathing difficulties, - and is superior to bleach as a surface disinfectant.

Chlorine dioxide does have one disadvantage - price. After checking several sources of supply, the best price we have obtained to date is:

Anthium 200^{TN} (2.0% chlorine dioxide) - 5 gals @ \$37.20

Source: International Dioxide
136 Central Avenue
Clark, NJ 07066

Milton C. Holmes
Cereal Leaf Beetle Parasite Lab
2534 South 11th St.
Niles, Michigan 49120

6. For the past 10 years we have been raising wild silk moths and selling the cocoons to an Entomological Research Enterprise. We are expanding our operations and are looking for outlets to sell our cocoons.

I am wondering if the government is doing any research where wild silk moth pupae could be used, or if, anyone knows of a private concern or university that are making studies that would find these pupae useful.

Last year we raised nearly 18,000 cocoons of the following species: A. luna (3,000); H. cecropia (5,000); A. polyphemus (10,000); Promethea (500). The cocoons would be available in Sept. and Oct.

I would appreciate very much any information you could give me.

Harold W. Hartman
25903 CR 24 W
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MEETINGS

1. National ESA, Nov. 30 - Dec. 4, Atlanta Hilton Hotel, Atlanta GA. WEDNESDAY EVENING, DECEMBER 3, 7:30 PM

FORMAL CONFERENCE: Insect Rearing

Crystal Ballroom B, C, D

Moderator: R. E. WHEELER

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7:30 Concepts of Quality Testing. R. F. Moore, USDA, SEA, AR, Florence, SC 29503

7:50 Maintenance and Monitoring of Quality Within Laboratory Reared Entomophagous Arthropods. E. G. King, USDA, SEA, AR, Stoneville, MS 38776

8:10 The Use of Isoenzymes in a Quality Control Program for Lab-reared Insects. A. C. Terranova, USDA, SEA, AR, Florence, SC 29503

8:20 The FMC System for Insect Rearing and Quality Control. D. S. Pincus, FMC Corporation, Middleport, NY 14105

8:40 Automated Equipment for Removing Lepidopterous Pupae from 1-oz Plastic Rearing Cups. F. M. Davis, USDA, SEA, AR, Mississippi State, MS 39762

2. Pacific Branch Meeting ESA, June 23-25 1981, Airport Hilton Inn, Oakland, CA.
3. Eastern Branch Meeting ESA, Oct. 21-23 1981, Benjamin Franklin Hotel, Philadelphia, PA.
4. Southwestern Branch Meeting ESA, Feb. 9-11 1981, San Antonio, TX.
5. North Central Branch Meeting ESA, March 17-19, 1981, Columbus Sheraton (Downtown), Columbus, OH.

* * * * *

The Frass editor would like to thank all of you for your cooperation in submitting information to be published in our newsletter. A special thanks to David Hoffman for his contributions to the following publications list:

PUBLICATIONS

Alders, K. 1979. Rearing of Arctornis-L-nigrum Lepidoptera Lymantridae Entomol. Ber. (Amst) 39:81-82.

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IN PREPARATION

King, E.G., N.C. Leppla, and T.O'Dell: Advances and Challenges in Insect Rearing. The six sections are very near completion and will soon be submitted to the USDA Southern Region editors. Publication is expected in the latter part of 1981.

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