PROPOSED EDUCATIONAL PROGRAM AT
MINNEAPOLIS MEETING

At the ESA meetings in Minneapolis this year, considerable emphasis will be directed toward the teaching of entomology. In anticipation of this meeting, plans are being formulated for an abbreviated section consisting of one-day activities devoted to materials and techniques for teaching entomology. If the interest warrants it, consideration may be given to establishing a section on teaching comparable to the existing sections. Your response to the following questions will greatly facilitate the planning for this special section on Education.

1. Are you currently associated with an educational institution? Yes [ ] No [ ]

2. To what extent are you involved in the teaching of entomology?
   a. I am not involved. [ ]
   b. I teach entomology for non-majors [ ]
   c. Introductory entomology for majors [ ]
   d. Economic entomology [ ]
   e. Medical entomology [ ]
   f. Insect physiology [ ]
   g. Insect ecology [ ]
   h. Insect morphology [ ]
   i. Insect classification [ ]
   j. Other (specify) [ ]

3. An attempt is being made to prepare a catalog of instructional materials for use in teaching entomology. Are you acquainted with or do you know of the availability to
   a. Films, filmstrips, 35mm transparencies and other visual aids?
   b. Computer programs used (or adaptable for use) in teaching entomology including insect ecology, taxonomy, physiology, control, etc?
   c. Instructions for building insectaries, collecting insects, etc?
   d. Materials describing laboratory exercises and experiments using insects?
   e. Laboratory manuals for introductory entomology?

   (If your answer is yes to any of the above, please give details.)

4. How should outstanding teachers of entomology be recognized by the Society? What mechanism could be developed to assist in the identification of outstanding teachers?

5. Are there subjects related to the teaching of entomology which you would like to have discussed at the next ESA meetings?
   a. ________________________________
   b. ________________________________
   c. ________________________________
   d. ________________________________

Please return this form by April 1, 1974 to:

Dr. Vernon J. Tipton
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STRUCTURE, FUNCTIONING AND
MANAGEMENT OF ECOSYSTEMS

The First International Congress of Ecology will be held in The Hague, The Netherlands, between 8 and 14 September 1974.

The main purpose of the Congress will be to bring together ecologists from all disciplines to discuss unifying concepts. Besides a number of special symposia will be held, partly organized by the International Biological Programme. The themes are:

- Flow of energy and matter between trophic levels.
- Comparative productivity in ecosystems.
- Diversity, stability and maturity in natural ecosystems.
- Diversity, stability and maturity in ecosystems influenced by human activities.
- Strategies for management of natural and man-made ecosystems.
- The significance of ecological principles for society.

Information: Secretariat First International Congress of Ecology P.O. Box 9000 The Hague The Netherlands

ODDS AND ENDS

Two Bee? Too, Bee!

"The plant-insect relationship," says Mahrle in his book, Mechanisms of Animal Behavior, "is taken to remarkable extremes in a group of orchids in which each species, (of orchid), "mimics the appearance and odor of a different species of bee. The male, (bee), "pollinates the flower while attempting to copulate with it."

The author does not explain how he knows the orchid mimics the odor of a bee. If the bee has an odor detectable to man, the researcher might run a considerable risk with the end of his nose!

Poor little bee tried his best:
   to find true love
   was his quest.

Got duped and pollinated by a flower designed to attract his masculine power.

As he arose, winged away, the orchid soft was heard to say:

"How sweet it must be --a free-flying bee--
   that looks and smells just like me!
   But I, alas, alone am sessile;
   to try to fly is too-big a hassle!
   Bumblebee--
   Honey, gee,
   Tumble me Into glee!"

Dick Mapes

Biological and genetic control of insect pest species is a primary concern at the Vector Biology Laboratory at the University of Notre Dame. It is my contention that the behavioral aspects of insects and other arthropod relatives should be given more attention, particularly in such aspects as psychobiology (KNOW YOUR IN-
(Continued from Page 78)

SECT ENEMY 1. The following is a story illustrating this thesis: (let the buggers do themselves in):

The Flea Bitten Bee

Here's the story of a Bee.
An arthropod by trade;
And so filled with conceit was he
That many mistakes he made.
Still, his life was honey-coated,
And his home a shady nook;
But one day trouble floated in
And Man! was that Bee took!
Our little drone had one small trait
Which helped set him apart;
And though it may not seem so great
His Ego was at heart.
In truth he saw himself to be
A handsome witty Bug;
But when he tangled with the Flea
This insect was a slug!
A flippant Flea hopped in by chance
Just looking for some sport.
He gave the Bee a side long glance
And cut his traveling short.

The Flea saw vanity invest
This well conceited Bug;
But then he thought a little jest
Would serve this buzzing lug.

"Good Day, Sir", said the tiny Flea,
"I see you're looking well."
"Thank you Flea", returned the Bee,
"It's truth that you do tell."

The Flea's words now would hit the beam,
So smiling said, "I lie sir,
As fine a figure as you seem.
I have seen one much nicer."

"Indeed!" the Bee cried angrily,
And raised his stinger high.
"Oh, where's this creature pray tell me,
For surely he must die!"

"I saw him by the lake before
I took this pleasant flight.
If you should cruise along the shore,
You'll no doubt see the sight."

"If truth you speak, it serves you well;
If not, you'll rue this day!"
The Bee so mad began to swell,
And buzzing flew away.
Three times he flew around the lake,
Then landed on the shore,
"It's only one good look I'll take,
And then I'll fix his score!"
But in the murky water there
He saw another Bee,
Then he began to curse and swear:
"He looks as good as me!"

Anger swept across the Bee
Like ripples on a pond,
While envy shook him violently
He raised his stinging wand.
A fiery form he left the ground,
So red was his complexion;
Turning round he dove straight down,
And flew at his reflection!

He buzzed a warning to beware;
He flew a thrilling flight,
But as he struck his image there,
He disappeared from sight!

Now, inquiries were made of course,
Though no one really cried,
His strange demise was no great loss—
Just another insecticide!

The moral of this tiny tale
(In case no bells have rung)
Is though at times we all may fail,
Bees too can be stung!

James J. McGovern
Research Associate
Radiation Laboratory
University of Notre Dame