I am delighted that the members of the Association of Midwestern College Biology Teachers have chosen Drake University as the site for their 1976 meeting. This seems especially appropriate for the twentieth anniversary meeting in that the organization was founded at Drake by Doctor Leland Johnson of our Biology Department. Leland served as the first president and Doctor Rodney Rogers of our faculty was the first secretary-treasurer. I know that both of these gentlemen, along with all the other members of our Department of Biology, look forward to having you here.

I welcome you to the Drake University campus and extend my best wishes for a successful meeting.

Sincerely,

Wilbur C. Miller
President
RAMBLINGS BY A RECENT RETIREE

As a very recent retiree from teaching (but not AMCBT) it is time to stop awhile, take stock of what has happened over the years and reflect a bit about what AMCBT has meant to me.

Over the years I have belonged to a goodly number of professional organizations and have participated rather actively in them. But overall none have given me as much pleasure and as much profit as AMCBT. I suppose that some of this is due to my association with the organization for almost all of its term of existence. I missed the first meeting in Des Moines, but with the exception of the meeting at Jefferson City in 1974, I have attended all of the other meetings. I missed the one at Jefferson City because I was incapacitated by very recent surgery.

During these years I have helped out whenever I could, for I believe in being active in an organization. One gets so much more pleasure by being active rather than just attending the meetings. And I got just as much pleasure from chairing a section or being a section recorder as I did from being a speaker on the program or serving on the Board.

One of the great strengths of AMCBT has been the great discussions between the members. Every member has had his or her opportunity to speak out at meetings. And the free exchange of ideas sparked new ideas. How well I recall that so many of the discussions didn't stop with the allotted time on the program but continued in a good many bull sessions and at times over bottles of malt beverage. It was fun and I think that we all took something back home with us that made us feel that the time and effort was well spent.

Of course our organization has been in existence during an exciting time. The formative years, chronicled in the May issue of MIDWEST BIOSCENE, coincided with so much change in our thinking, research, curriculum content and method. It was a great period of re-thinking what we were doing and where we should go from there. And AMCBT and our discussions did have an impact on what followed. All of us who participated can honestly say that we had a part in it. Each individual contribution may be small but contributions do accumulate. And a consensus arrived at by the contributions of many can have much influence. At each new meeting new ideas were introduced, discussed, and filtered back to where it counted. And so our national involvement became intensified.

I can never forget how lively the discussion was when we had the joint meeting with CUEBS in Kansas. And we and the profession profited. Of course we always profited from our other meetings too, individually and collectively. We are listened to and out collective judgment is respected.

And so we look forward to the future. What it will bring us no one can tell. But we must never lose sight of the fact that AMCBT is a lot like a living organism. (continued on page 3)
PROTOZOOLeST EVENING SPEAKER Doctor Theodore Jahn, Professor of the University of California at Los Angeles will present the Friday evening lecture. He will illustrate his presentation on cilia, flagella and pseudopodia with both specially prepared slides and movies. He has also promised to comment on new findings concerning the water expulsion vesicle and the origin of bioelectric motor force.

Dr. Jahn received his bachelor's from Rice Institute and advanced degrees from New York University. Prior to going to UCLA in 1948 he lectured and taught at New York University, Yale, and Iowa. He has held office in many associations and is a member of AAAS, AIBS, American Society of Microbiology, Society for General Physiology, American Society of Naturalists, American Microscopical Society, American Physiology Society, Biophysical Society, Optical Society of America, Society for Experimental Biology and Medicine, Society for Protozoology, American Society of Zoologists, Society for Systematic Zoology, and the Phycological Society of America.

He has many research interests. His areas of interest include the taxonomy and physiology of protozoa, the photochemical and electrical bases of visual phenomena, the chemistry and permeability of insect egg membranes, insect diurnal rhythms, protoplasmic movement, and imbibitional pressure.

AETS ANNOUNCES AWARD PROGRAMS Dr. David H. Ost, President-elect for the Association for the Education of Teachers of Science, has requested that we announce two new awards.

Award I, Implications of Research for Educational Practice is designed to stimulate the writing of creative papers that interpret theory and research for classroom practice. Deadline for entry is November 1, 1976.

Award II, Outstanding Science Educator of the Year is designed to recognize the personal achievements and contributions of science educators in the ascendant period of their career. Deadline for nomination is December, 1, 1976.

If you wish to submit a paper for Award I or nominate an individual for Award II, complete information may be obtained from the CENTRAL OFFICE or from Dr. Ost.

Dr. David H. Ost, Director
Center for Professional Development
The California State University and Colleges
400 Golden Shore
Long Beach, California 90802

(continued from p. 2) It metabolizes and continually changes. While change merely for the sake of change is not particularly desirable, guided change to mold and to meet changing situations is healthy and should be welcomed. Remember what has happened in the course of history when organisms failed to adapt. Let's keep AMCBT alive and healthy and who knows what it will evolve to in the next twenty years.

As I said in the opening statement I am retiring but I haven't lost interest. I'm proud to be associated with the group and wish to say thank you to all of my friends for everything. I may not get to quite as many meetings in the coming years, but my best wishes for progress and success will be there.

Harold A. Moore

711 Osage Street
Normal, IL 61761
CONSTITUTIONAL AMENDMENT PROPOSED The Steering Committee has proposed two amendments to the Constitution and several changes in the By-Laws to be acted upon at the Annual Meeting.

The Constitution of AMCBT requires that amendments to the Constitution be considered by the Steering Committee and then submitted to the membership in writing two weeks prior to the Annual Meeting. Amendments to the Constitution require a three-fourths majority of votes cast by members present at the business session of the Annual Meeting for adoption. Amendments to the By-Laws also require a three-fourths majority for passage.

These changes are proposed to achieve the following:

1. Change the office of secretary-treasurer to secretary with the duties of treasurer to be handled by the Central Office.

2. Change the term of office so that election becomes effective immediately. This would justify new officers in making committee appointments immediately and enable planning for the ensuing years program to begin at an earlier date. It would be possible to hold the Steering Committee Meeting in November or December rather than January.

3. Indicate the duties of Steering Committee members in somewhat more detail and indicate formally those expenses of the Steering Committee member which will be reimbursed by the Association.

Copies of the Constitution as amended October, 1975, will be available at the meeting. Consideration of these items will be at the third session of the business meeting.

The following amendments to the Constitution have been considered by the Steering Committee and recommended for passage.

Article IV.

Section 1

Change: "secretary-treasurer" to "secretary"

Section 2

Change: "secretary-treasurer" to "secretary"

The following amendments to the by-laws are recommended for passage by the Steering Committee.

Article I

Section 1

Change: "on the January 1" to "immediately"

Change: "secretary-treasurer" to "secretary"
Section 4

Delete: Sentence beginning, "he shall also collect"

Section 7

Change: "secretary-treasurer" to "secretary"
Delete: "he shall also collect Association dues, disburse funds as authorized by the Steering Committee, keep a proper record of all monies received and disbursed,"
Change: "secretary-treasurer" to "secretary"

Section 8

Add: New sentence, "He shall also collect Association dues, disburse funds as authorized by the Steering Committee, keep a proper record of all monies received and disbursed, and prepare an annual financial statement."

Section 9

Change: "January 1" to "immediately"

Section 10

Insert, after "make necessary appointments": recommend policy for adoption by the Association,

Add: The Steering Committee shall meet at least twice each year. A winter meeting shall be held as soon as convenient following the Annual Meeting, and the other will be at the time of the Annual Meeting. Other meetings may be called as necessary. The Steering Committee Meetings shall be devoted to appointments of committees, action on committee reports, consideration of constitutional changes, selection of honorary life members, and conduct of all other business of the Association. The principal business of the winter meeting will be the planning of the program for the Annual Meeting. The Association will pay expenses of members of the Steering Committee to the winter meeting if funds are not available from another source. Expenses at the Annual Meeting will not be paid by the Association.
SUSTAINING MEMBERS  The role of the sustaining members of AMCBT is most obvious in the exhibit area at the Annual Meeting. Here all members are offered an opportunity to view the latest in equipment, materials and publications, and to talk with representatives concerning special problems. In addition to the person-to-person relationship, the membership dues of sustaining members is a major item in financing the organization and its activities.

The following firms have already paid dues for 1976-7 and will be exhibiting at the annual sessions. Others are expected to complete arrangements this month.

American Optical Company  Paxton Processing Company
E & L Instrument Company  Sargent-Welch Scientific Company
Fisher Scientific Company  Turtox/Cambosco,
Hach Chemical Company  Macmillan Science Company

OCTOBER MEETING NOTES  Enclosed with this issue of MIDWEST BIOSCENE are materials for the October Meeting. Note that the deadline for pre-registration is Monday, September 27.

ACTIVE MEMBERS BENEFIT MOST  Over sixty members are contributing to the annual program. In addition to the annual program there is another avenue through which members can contribute and share ideas. Beginning of a new school year is an excellent time to consider submission of material for publication in MIDWEST BIOSCENE.

Copy for MIDWEST BIOSCENE should be submitted according to the following schedule: May issue by April 10, September issue by July 10, November issue by October 10, February issue by January 10. In addition to articles, remember that notes regarding positions, requests for information, information which will be shared, letters to the Editor are all desired. Formal articles may concern reviews of special areas, new programs, workable laboratory experiments, teaching techniques, etc. Only you, the contributing member, can make the publication of value to the membership.

A NOTE REGARDING DUES  The Application for Membership included in each issue of MIDWEST BIOSCENE is for use in securing new members. Please do not consider it a dues notice. Dues notices for present members will be in the form of a separate enclosure.

Application for Membership
ASSOCIATION OF MIDWESTERN COLLEGE BIOLOGY TEACHERS

_regular Member ($6.00)  Retired Member ($3.00)  Dues payable July 1

Name_________________________ Date_________________________
Title_________________________ Department_____________________
Institution_________________________

City_________________ State_____ Zip______ 'Return to:
Address preferred for mailing______________________________
City_________________ State_____ Zip______ 'AMCBT Central Office
' c/o John R. Carlock
' Illinois State Univ.
' Normal, IL 61761
TWENTIETH ANNUAL MEETING
of the
ASSOCIATION OF MIDWESTERN COLLEGE BIOLOGY TEACHERS

DRAKE UNIVERSITY, DES MOINES, IOWA
October 1-2, 1976

PROGRAM

Thursday, September 30
8:00 PM  Steering Committee  Olin, Rm. 235

Friday, October 1
9:00 AM - 2:00 PM  Registration  Olin, Rm. 207
10:00 AM - 12:00 Noon  Field Trip: Pioneer Hybrid  Olin, Rm. 232
10:00 AM - 12:00 Noon  Tours of Olin Hall of Biology  Olin, Rm. 235
10:00 AM - 12:00 Noon  Film Festival  Olin, Rm. 303
10:00 AM - 4:30 PM  Exhibits  Olin, Lobby
11:00 AM - 12:00 Noon  "A Blueprint for Survival: An Alternate Life Style"  D. Scoby, North Dakota S.U.

12:00 Noon  Open Lunch

1:00 PM  General Session and
         First Business Meeting  Olin, Rm. 101
         Welcome
         Dr. Wilbur Miller, President  Drake University
         Report of Nominating Committee:
         Neil Baird, Lee Hansen
         Announcements:
         Lane Wilson, Drake University
         Opening Address:
         "What Biology Teaching Ought to Be"
         Leland F. Johnson, Drake University
         Panel Response to Opening Address:
         George Garoian, Southern Illinois University
         Terry Gillespie, Park Forest, Illinois
         Jack Bennett, Northern Illinois University
         Edward Kos, Rockhurst College

3:15 PM  Coffee Break  Olin, Lobby

3:30 PM  Group Discussion I - New Interfaces with Biology

A. Biology Interfacing with Human Values  Olin, Rm. 101
   Leader: Janice Kemp, St. Mary's Col, IN
   Recorder: Russell TePaske, Univ. of N. Iowa

B. Human Chromosome Techniques  Olin, Rm. 453
   Leader: Michael Myszewski, Drake Univ.
   Recorder: Richard Kowles, St. Mary's Coll., MN

C. Use of Simulations and Games  Olin, Rm. 232
   Leader: John Carlock, Illinois St. Univ.
   Recorder: Jack Snyder, Eureka College
Friday, October 1 (Continued)

D. Biology Electives for Non-Biology Majors

Leaders: John Hamilton, Park College
          Edward Kos, Rockhurst College
          William Downing, Hamline Univ.

Recorder: Donald Alsum, St. Mary's College

5:00 PM Social Hour - Cash Bar

6:30 PM Banquet
      Second Business Meeting:
          Presentations

8:00 PM Address: "Locomotion in Protozoa"
        Theodore Jahn, Professor Emeritus
        Zoology Department
        University of Calif. at Los Angeles

Saturday, October 2

8:30 - 11:00 AM Election of Officers

8:30 - 12:00 AM Exhibits

8:30 - 11:00 AM Coffee

9:00 - 12:00 AM Film Festival

Group Discussions - New Interfaces with Biology, Part II

E. Biology Interfacing with Health Careers

Leaders: Neil Baird, Millikin Univ.
          Robert Owens, Parkland College

Recorder: Marvin Jessen, Grand View Coll.

F. Use of Phase Contrast Microscopy

Leader: Harold Swanson, Drake University

Recorder: Don Huffman, Central College

G. Use of Computers in Undergraduate Biology

Leaders: Ken Tuinstra, Central College
          Warren Dolphin, Iowa State Univ.

Recorder: James Royce, Iowa Central Comm. Coll.

H. Biology for the Disadvantaged

Leader: Ellen Korn, Jefferson Community Coll.

Recorder: Jeanette Feldballe, Edgewood Coll.

10:00 AM Group Discussions - New Interfaces with Biology, Part III

I. Biology Interfacing with non-health careers

Leaders: Terry Gillespie
          Leland Hansen, Highland Conn. Coll.

Recorder: Daryl Stuhr, Illinois Valley CC

J. Human Chromosome Techniques

Leader: Michael Myszewski, Drake Univ.

Recorder: Eugene Dehner, Benedictine Coll.

K. Population Sampling that anyone can do

Leader: Richard Wilson, Rockhurst College

Recorder:
Saturday, October 2  (Continued)

L. Piaget and Neo-Piagetian Theories of Education  Olin, Rm. 207
Leader: Keith Hanson, Univ. of Ill.
Recorder: Joe Kapler, Loras College

Group Discussions - New Interfaces with Effective Teaching
Part IV

M. General Biology for Non-Majors  Olin, Rm. 207
Frank Mittermeyer, Elmhurst Coll.
Sherman Nystrom, Barton County Comm. Jr Coll.
Alfred Pogge, Quincy College

Recorder:

N. General Biology for Majors  Olin, Rm. 344
Leaders: Harvey Johnson, Waldorf College
Chris Christensen, Iowa Central Comm. Coll.
Rodney Rogers, Drake University

Recorder:

O. Anatomy and Developmental Biology  Olin, Rm. 234
Leaders: Karl Goellner, Coe College
James Henry, Illinois Central College
Ralph Troll, Augustana College

Recorder:

P. Human Anatomy and Physiology  Olin, Rm. 155
Leaders: Martha Grotzinger, Black Hawk College

Recorder:

Q. Botany and Plant Science  Olin, Rm. 232
Leaders: Laddie Bicak, Kearney State Coll.
Verona Burton, Mankato State Univ.
Harold Hansen, St. Olaf Coll.
Robert Kuster, Southeast Missouri State
Gerry Haukoos, College of DePage

Recorder:

R. General Zoology and Invertebrate Zoology  Olin, Rm. 346
Leaders: G.W. Bennett, Iowa Central Comm. Coll.
John Bliese, Kearney State Coll.
Larry Dowdy, Paducah Comm. Coll.
Donal Myer, SIU-Edwardsville
Rev. Carl Rice, St. Ambrose Coll.

Recorder:

S. Microbiology  Olin, Rm. 235
Patrick Sheridan, Moraine Park Tech. Inst.

Recorder:

T. Environmental Sciences  Olin, Rm. 150
Leaders: Alice Hayes, Loyola Univ.
Sr. Marie Johnson, St. Xavier Coll.
Hal Nagel, Kearney State Coll.
Robert VandenBranden, Drake Univ.

Recorder:

12:15  PM  Luncheon  Olmsted Center Terrace Room

1:00  PM  Third Business Meeting  Olmsted Center Bulldog Theater

1:30  PM  Steering Committee Meeting  Olmsted Center Bulldog Theater
Lodging. A list of motels and hotels in Des Moines is included. Make your reservation directly with the motel or hotel. The HOLIDAY INN SOUTH has offered members of the Association a discount and is holding rooms for members. Identify your affiliation when you make a reservation. The Holiday Inn South has transportation from the airport. Members staying there can arrange car pools to the meeting. It is planned that members of the Steering Committee will be staying at this location.

Parking. S. Lane Wilson, Chairman of Local Arrangements reports that parking at Drake is like parking at all schools - A PROBLEM. Members can park in any of the lots and Lane thinks he can take care of parking tickets they get. Members parking on Des Moines City streets will have to worry about their own tickets. (Beware of streets with no parking from 7-9 AM and 4-6 PM.) The best parking for Friday will be the pay parking lot at Olmsted Center. Saturday there should be no problem in any Drake lot or on the street.

Phone Contact. An emergency phone contact for members at the meeting has been arranged. Call the Biology Office, Drake University, 515/271/3924. This phone will be staffed during working hours and on Saturday morning.

BRING A COLLEAGUE TO THE ANNUAL MEETING
PRE-REGISTRATION AND MEAL RESERVATION
for
ASSOCIATION OF MIDWESTERN COLLEGE BIOLOGY TEACHERS
TWENTIETH ANNUAL CONFERENCE
Drake University
Des Moines, 50311
October 1-2, 1976

Name ____________________________

Institution _______________________

City ________________________ State _______ Zip ________

( ) AMCBT Member (No registration fee for members)

( ) Non-member (Non-members will be assessed a $3.00 registration fee, payable at the meeting.)

Field Trip: On October 1 (Friday, 10-12 a.m.) arrangements have been made for a field trip for a tour of the facilities and laboratories of Pioneer Hybrid. If you think that you would like to participate please indicate the proper responses. Private cars will be used as transportation.

( ) I plan to go on the field trip to Pioneer Hybrid

( ) I will need transportation

( ) I will be taking a car and can provide transportation

Meal Reservations

Lunch on October 1 and 2, and breakfast on October 2 may be obtained at the Olmsted Center, Terrace Room Cafeteria. These meals may also be obtained at restaurants or motels in the area. No reservations will be necessary for these meals.

Advance reservations will be necessary for the following meals. Deadline: RESERVATIONS MUST BE MADE NO LATER THAN SEPTEMBER 27, 1976.

Banquet, October 1 $6.25  #______Amount_____ 
Luncheon, October 2 $3.50  #______Amount_____ 
Total ______

(Please do not include membership dues in check sent for reservations)

Make checks payable to: DRAKE UNIVERSITY  Mail to: Phyllis Kingsbury
Biology Department
Drake University
Des Moines IA 50311