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*Minutes*

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Minutes of the regular meeting of Tuesday, February 1, 1977:

The meeting was held in the auditorium of the Science Museum of Minnesota. Pat Clements, president, presided.

At 7:30 p.m., Bill Larson spoke on the merits of several star atlases.

The speaker of the evening was member Alan Ominsky, who presented a discussion of photographic emulsions and astronomical photography.

The Executive Board met following the meeting and voted unanimously to make the following changes (amendments) to our constitution:

Article III, paragraph 4b, change to read: The President shall appoint one student representative to serve on the executive board for a period of one year.

It formerly read two student representatives.

Article III, paragraph 6, change to read: The Executive Board will consist of President, Vice President, Secretary, Treasurer, and one student representative.

It formerly specified two student representatives and a student advisor. The office of student advisor has been abolished.

Article III, paragraph 6a, add: A quorum of the Executive Board shall be all of the officers present at any given meeting but never less than three (3).

These changes will be voted on by the membership at the regular business meeting of Tuesday, July 5, 1977.

The Executive Board also agreed unanimously on a style for the club membership cards, letterhead stationery, and membership application blank.

The members of the club present at the general meeting voted to reject the first three amendments and ratify the remaining eleven amendments to the constitution of the Astronomical League. This duplicated

the results of a vote by the 3M Astronomical Society. The rejected amendments dealt with changing the designation of non-affiliated individual members of the League.

A fall banquet, to be held annually in the Members' Lounge of the Science Museum, was suggested.

Submitted by Hubert U. Brueckner, secretary

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*Local Notes*

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The March meeting of the TCAC will be held in the Members' Lounge of the Science Museum of Minnesota at 7 p.m. March 1. Laird Calia will give the program, titled "Observing Jupiter." Laird was active in Pennsylvania amateur astronomical activities before moving here. He recently joined the TCAC.

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The April meeting will be held in the auditorium of the Science Museum of Minnesota at 7 p.m. April 5. Dave Schuman will present the program--"Bizarre Celestial Objects."

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Ivan Policoff's Astronomy Lab for the Amateur will be given through the General College division of the University of Minnesota again spring quarter. The course number is GC1-167; it's a 2-credit course. Prerequisites are one quarter of astronomy (current enrollment or equivalent).

The class will be held Thursday nights-- five sessions at the Metcalf site 7-12 p.m. and five sessions at the U of M 7-10 p.m.

Course content will include instruction in the use of a small telescope, observations of Messier objects, and experiments in photography.

Instructors for the sessions will be drawn from the TCAC membership.

For further information contact Ivan Policoff.

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Club members will present the following programs for the public on Thursdays at 7:30 p.m. in the Science Museum of Minnesota:

March 31--Voyage to Venus and Mercury, Photographs from Mariner 10, by H. U. Brueckner.

April 7--Recent Observations of Mars, by Ivan Policoff.

April 14--The Sun, by Lauren Nelson.

April 28--The Developing Universe, by Kevin Marx.

May 5--Bizarre Celestial Objects, by Dave Schumann.

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Meteor News, a very good amateur publication on meteors, is now being sent free of charge to members of the American Meteor Society. The publication is usually about 10 pages in length and is very similar to Gemini in some respects.

Meteor News is available from the Jacksonville Children's Museum, c/o Karl Simmons, 4238 Springwood Road, Jacksonville, FL 32207. The annual subscription rate is \$3 in the U.S.

Persons wishing to join the American Meteor Society must send three nights observation work (meteor counts or meteor magnitude and color) to show their interest in the organization. The dues for the AMS are only \$3 annually.

There is no word on how long AMS members will continue to receive Meteor News free of charge. Many of the most active AMS members live in Florida (why, you ask?). Meteor News is a product of the Astro-Gator Astronomy Club in Jacksonville.

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The next quarterly (eight to 10-page) edition of Gemini is the April edition. The deadline for submitting material for publication in that edition is March 18. Submit it to Andrew Fraser, 2123 St. Clair Ave., St. Paul, MN 55105.

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TAKE NOTE!!!TAKE NOTE!!!TAKE NOTE!!!TAKE NOTE:

The month when your TCAC dues are due was printed in the lower left corner of the mailing label on your January Gemini. It was printed again in the same location on this Gemini, and shall henceforth and forever more be printed each edition in the same location (or until we do otherwise) as a reminder to pay your dues promptly. Dues are \$16 for regular members, \$5 for students.

By special arrangement of the club, a small cloud will hover over the telescope of any member who's dues remain unpaid.

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Gemini is searching for a new typist/s to begin work on the April edition. Unless a volunteer steps forward in the near future, the next edition may arrive handwritten on the back of a grocery sack. If you have a foolish streak in you and are a gluten for work, please inform Andrew Fraser, 733-6944 days.

At least one person will be forever thankful to you...the current typist.

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## GEMINI

Editor----Andrew Fraser

Gemini is issued monthly by the Twin City Astronomy Club (TCAC), an affiliate of the Science Museum of Minnesota, St. Paul, Minn.

The TCAC strives to promote amateur astronomy through its publications, meetings, and public programs. Membership is open to anyone. Annual regular member dues are \$16 and student member dues are \$5, of which \$1.50 is allocated for a subscription to Gemini. Subscription to Gemini is available to non-members at \$2.50 per year. Inquiries may be directed to: TCAC, Science Museum of Minnesota, 30 E. 10th St., St. Paul, MN 55101.

Advertisements for publication in Gemini are welcome and inquiries may be directed to Lauren Nelson c/o TCAC.

Application to mail at second-class rates is pending at St. Paul, Minn.

TCAC  
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30 E. 10th St.  
St. Paul, MN 55101

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Andrew D. Fraser  
2123 St. Clair Ave  
St. Paul, MN 55105  
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