

SAN JOSE AMATEUR ASTRONOMERS, INC.
MONTHLY BULLETIN
FEBRUARY, 1971

Pres.: David Erickson 269-4838
Vice-Pres: Thomas Halliday 296-3169
Secr: David Ambrose 269-8262
Treas: J. Emmet Murphy 287-6378

BOARD MEMBERS

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Dr. A.B. Gregory 258-6095
Thomas Halliday 296-3169
Trudy E. Bell 244-1096
Michael Szudy 867-4068
Donald Summers 296-1766

1970-72
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Clayton Neece 378-5574
Bruce Smith 244-6769
J. Emmet Murphy 287-6378

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The San Jose Amateur Astronomers wish to extend a hearty welcome to its newest members. The events we have planned for 1971 are many and range from star parties to planned lectures. The rapid exchange of ideas represents an essential characteristic that the club is proud of. Every member is encouraged to participate in each event, be it a planning meeting, star party, or regular meeting. Our board of directors is going to work hard for you this year and hopes that you enjoy your astronomy to its fullest.

FEBRUARY MEETING - Amateur Speaker

Date & Time: Friday, February 5, 8p.m.
Location: Community Bank, 111 W. St. John, 2nd Floor
Executive Conference Room (enter Community Bank from the rear)

Bruce Smith will speak on "Variations in the earth's magnetic field and its relationship to earthquakes." In just the last few years startling new schemes have been developed for the prediction (and observation) of earthquakes. Bruce will be showing slides as well.

Also, the club's slides from the library will be shown. In addition, Dr. Gregory will present slides of his own (in particular, those taken at the WAA convention last August).

STAR PARTY - Saturday, January 30 at Dusk, at LCO-Observatory site

Culminating will be M79, M38, M1, M36, M42, M43, M78, M37, M35, M41, M50. (See next pages for specific dates.)
Call Dave 269-4838 for directions or rides.

PLANNING MEETING - Friday, February 12, 8 p.m.

Meet at Bruce Smith's, 906 Burbank Dr., Apt #21, Santa Clara. Go upstairs to the south wing. Call 244-6769 for directions. The observatory work parties will be discussed.

Due to Sky and Telescope's increased rates, the San Jose Amateur Astronomers will be forced to also increase its dues. This coming June, the membership dues will be \$10.00 for the year. Contributing member's fees will remain at \$15.00.

Want to print an item in next month's bulletin -- bring it to either the regular meeting or the planning meeting, or call Dwight Leu before the planning meeting at 867-0533. The bulletin will continue to be published the week following each board meeting.

FOR SALE - OPTICA FINDER-GUIDE SCOPE. 25x50 with diagonal and brackets, reticle eyepiece. 258-6095

FOR SALE - 6" reflecting telescope, f/10, with clock drive. Shown at November equipment night. With or without mount. Dave Erickson made the mirror. Make Offer. Contact Mike Szudy at 867-4068

Immediate needs for the observatory are 2x4s, 4x6s, etc. for the roof.

MID-YEAR NEW MEMBERS (complete membership list will appear in Aug)

| | | |
|---------------------------|--|----------|
| Chapman, Randy | 1650 Rocky Mountain Dr, Milpitas 95035 | |
| | | 263-1943 |
| Day, Bill E. | 1441 Pinehurst Dr, S.J. 95118 | 264-9720 |
| Hague, Ron | 1097 Nottingham Pl, S.J. 95117 | 246-7707 |
| Kruse, Steve | 1247 Washoe Dr, S.J. 95120 | 264-6346 |
| Maher, Brian | 1254 Washoe Dr, S.J. 95120 | 269-8309 |
| Merritt, David | 1211 Becket Dr, S.J. 95121 | 225-5460 |
| Vaughan, Clifford R., Jr. | 4372 Indigo Dr, SJ, 95136 | 264-3321 |
| Yamate, Winston | 3553 Amber Dr, S.J. 95117 | 248-9797 |
| Zumbrunnen, John | 20412 Chalet Ln, Saratoga 95070 | 867-1262 |

Change of Address:

Wollan, Craig A. 2302 Carlmont Dr, Apt. 3, Belmont 94002
593-1945

JANUARY

Culmination for Messier Objects - 10 p.m. Local Mean Time

key: G.N., Gaseous Nebulae
 GAL.C., Galactic Clusters
 P.N., Planetary Nebulae
 GLOB.C., Globular Clusters
 G., Galaxies

| <u>DATE</u> | <u>OBJECT(S)</u> | <u>CLASS</u> | <u>MAGNITUDE</u> |
|-------------|------------------|--------------|------------------|
| 1-11 | M79 | GLOB.C. | 7.5 |
| 1-12 | M38 | GAL.C | - |
| 1-14 | M1 | P.N. | 11.3 |
| | M36 | GAL.C. | - |
| | M42 | G.N. | - |
| | M43 | G.N. | - |
| 1-17 | M78 | G.N. | - |
| 1-18 | M37 | GAL.C. | - |
| 1-22 | M35 | GAL.C. | - |

FEBRUARY

| <u>DATE</u> | <u>OBJECT(S)</u> | <u>CLASS</u> | <u>MAGNITUDE</u> |
|-------------|------------------|--------------|------------------|
| 2-2 | M41 | GAL.C. | - |
| 2-6 | M50 | GAL.C. | - |
| 2-14 | M47 | GAL.C. | - |
| 2-15 | M46 | GAL.C. | - |
| 2-16 | M93 | GAL.C. | - |
| 2-25 | M48 | GAL.C. | - |

SIDERAL TIME CONVERSION CHART FOR FEBRUARY

| | | |
|-----------------|----------------|---|
| FEB. 1 4h 48min | FEB. 15 5h 43m | Listed is the Sidereal Time for 8p.m. PST Meridian (120° west longitude) for February. To get Sidereal Time for San Jose, subtract 7 minutes from time listed. Example: 8p.m. Feb. 1 in San Jose is 4h 41m Sidereal Time. For every 3 hours past 8p.m. add 30 seconds, Example: at 11p.m. on Feb 5 the Sidereal Time for San Jose is 4h 57 m and 30 sec. (from subtracting 7min from 5 hrs 4 min and adding 30 sec) |
| 2 4 52 | 16 5 47 | |
| 3 4 56 | 17 5 51 | |
| 4 5 00 | 18 5 55 | |
| 5 5 04 | 19 5 59 | |
| 6 5 07 | 20 6 03 | |
| 7 5 11 | 21 6 07 | |
| 8 5 15 | 22 6 11 | |
| 9 5 19 | 23 6 14 | |
| 10 5 23 | 24 6 18 | |
| 11 5 27 | 25 6 22 | |
| 12 5 31 | 26 6 26 | |
| 13 5 35 | 27 6 30 | |
| 14 5 39 | 28 6 34 | |

SAN JOSE AMATEUR ASTRONOMERS
LATE WINTER AND SPRING CALENDAR

JANUARY 30- Star Party, Saturday at dusk, at LCO-observatory site.
Call Dave for ride or directions.

FEBRUARY 5- Regular Meeting, Friday 8p.m., Amateur Speaker. Bruce Smith will be talking and presenting slides also.

FEBRUARY 12- Planning Meeting, Friday 8p.m., Meet at Bruce Smith's, 906 Burbank Dr., Apt 21, Santa Clara. Observatory work parties will be discussed.

FEBRUARY 27- Star Party, Saturday at dusk, at LCO-observatory site.

MARCH 5- Regular Meeting- Friday 8p.m., possibility of film on the Mars Mariner probe.

MARCH 12- Planning Meeting, Friday 8p.m., Meet at Tom Halliday's 489 Genevieve Lane, San Jose.

MARCH 27- Observatory Work Party & Star Party, work party begins at noon, star party at dusk.

APRIL 2- Regular Meeting, Friday 8p.m., possibility of lecture on Jupiter and its moons.

APRIL 9- Planning Meeting, Friday 8p.m., Meet at Dr. Gregory's, 5480 Fairway Dr., San Jose

APRIL 24- Star Party, Work Party, Saturday at dusk at LCO site.

MAY 1- Regular Meeting, Star Party. NOTE CHANGE IN USUAL DAY, to Saturday at dusk. Meet at Skyline site.

MAY 7- Planning Meeting, Friday 8p.m., This planning meeting will decide on the summer activity, banquet, etc. Meet at Dwight Leu's, 20070 Edinburgh Dr, San Jose, 867-0533

MAY 22- Star Party, Saturday at dusk at LCO site.

JUNE 4- Regular Meeting, Friday 8p.m.

JUNE 11- Planning Meeting, Friday 8p.m.

JUNE 19- Star Party, Saturday at dusk