

SAN JOSE AMATEUR ASTRONOMERS

January Planning Meeting Minutes

The meeting was held at 7:30 pm on Wednesday January 4th, 1956 at the home of member Bob Cunningham.

Those present were Miss Margartet Ann Krumm, and Merrieurs Ferguson, Anderson, Krumm, Cunningham, Bieda, Peterson, and Erickson.

The program for the January meeting was arranged.

Among the topics discussed informally were the Doeppler Effect, Hoyle, and telescopes and telescope companies if general.

Mr. Krumm announced that Rev. Smith's  $4\frac{1}{2}$  inch reflector with 4 eyepieces is for sale for \$45.

These minutes were very kindly taken by Miss Krumm, due to the fact that the secretary was absent.

## MINUTES OF THE JANUARY GENERAL MEETING

16 Jan 1956

The meeting was called to order at 8:15 by Mr. Krumm, president, in the Science Wing of San Jose State College.

Present were members Geisler, Cunningham, Bieda, Anderson, Krumm, Nelson, Delaney, Ferguson, Phelps, Peterson, Erickson, Mr. and Mrs. Garcia, Mr. J. Wesley Simpson, and 4 guests from Palo Alto.

Constellation of the Month, Gemini, was presented by Brian Peterson.

An announcement by Steve Bieda indicated the long-awaited star charts to be published by the B & C Observatory will soon be available.

Mr. J Wesley Simpson then gave his talk on Meteors. His discussion was very interesting and very informative. he talked about meteors in general, and especially about the following topics:

- 1) The Leonides, when 34,000 meteors per hour were counted in the years 1799, 1833, and 1866.
- 2) The Andromedians, with 600 to 1000 per minute in August of 1885.
- 3) The Draconids, with 5200 per hour in 1949.

Mr. Krumm announced the increase in price of the Sky and Telescope Magazine to be effective next January. No further action of increasing the price of our dues was taken at this time.

There being no further business the meeting adjourned at 10:15.

142  
SAN JOSE AMATEUR ASTRONOMERS

JANUARY MEETING

TIME: 8 PM, Monday, January 16, 1956

PLACE: Science Wing, San Jose State College

PROGRAM

- 1) "Constellation of the Month - Gemini"

by Mr. Brian Peterson.

- 2) "Meteors"

by Mr. J. Wesley Simpson.

Mr. Simpson is a member of the Peninsula Astronomical Society of Palo Alto, the AAVSO, and other astronomical organizations. He is one of the more experienced amateurs in this area, and his talk on meteors is very authoritative. Don't miss it!

Sincerely,

*Tom*  
Tom Nelson, Sec'y.

SAN JOSE AMATEUR ASTRONOMERS

February Planning Meeting

The meeting was called to order at 7:45 pm on Wednesday February 1st at the home of Mr. John Delaney. Present were Messieurs Phelps, Delaney, Ferguson, Erickson, Peterson, Nelson, and Krumm.

The program for the February general meeting was arranged, as follows:

- 1) Venus - Don Anderson
- 2) Introduction to a Course in Astronomy - Malcolm Gilmour
- 3) The Observer - Walt Krumm
- 4) Constellation of the Month - Leo - Wally Phelps

It was decided to give the club mirror to Brian Peterson to commence the grinding.

Notice was given of the Peninsula Astronomical Society meeting on February 3, and all members are invited and urged to attend.

Notice was also given of the new arrangements and hours for observing now in effect at Lick Observatory.

The secretary was instructed to purchase 10 copies of the Amateur Astronomers's Manual from the Cumberland University Press. These books will be sold to members at 50 cents per copy.

New Harvard announcement cards were shown to the group. A better method of disseminating this information was requested by the secretary.

There being no further business the meeting adjourned at 9:30.

The February General Meeting will be held on Feb. 20.

*15th Regular*

SAN JOSE AMATEUR ASTRONOMERS

FEBRUARY MEETING

TIME: 8 PM Monday, February 20th, 1956.

PLACE: Science Wing, San Jose State College.

PROGRAM

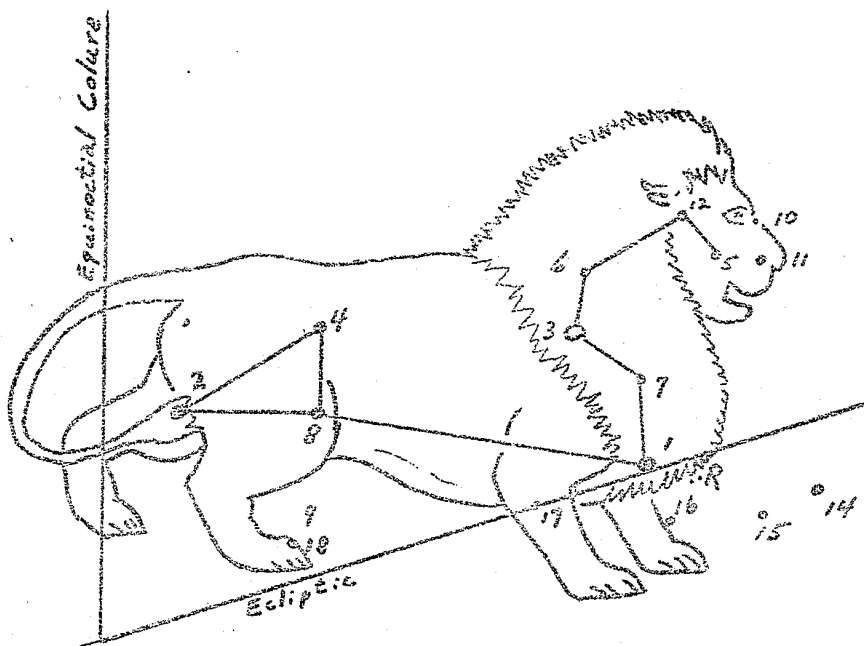
1. Planet of the Month - Venus -- Mr Donald Anderson
2. Introduction to a Course in Astronomy -- Mr Malcolm Gilmour
3. " The Observer" -- Mr Walter Krumm
4. Constellation of the Month - Leo -- Wallace Phelps

Sincerely,

*Tom*

Tom Nelson, Sec'y.

# LEO



| <u>Number</u> | <u>Name</u>    | <u>Magnitude</u> |
|---------------|----------------|------------------|
| 1             | Regulus        | 1.34             |
| 2             | Denebola       | 2                |
| 3             | Algeiba        | 2                |
| 4             | Zosma          | 2-3              |
| 5             | Epsilon Leonis | 3                |
| 6             | Aldhafera      | 4                |
| 7             | Eta Leonis     | 3-4              |
| 8             | Chort          | 3                |
| 9             | Iota Leonis    | 4                |
| 10            | Kappa Leonis   | 3                |
| 11            | Alterf         | 4                |
| 12            | Rasulas        | 4                |
| 13            | Nu             |                  |
| 14            | Xi Leonis      | 5                |
| 15            | Omicron Leonis | 4                |
| 16            | Pi Leonis      | 5                |
| 17            | Rho Leonis     | 4                |
| 18            | Sigma Leonis   | 4                |

LEO (1 $\alpha$ ' -  $\alpha$ )

Meaning - The Lion

Location - The pointer stars of the Big Dipper point in one direction to Polaris; in the other direction to the triangle that is the hind quarter of Leo, the lion.

Visibility - Entirely visible for almost eight months at 40 degrees North latitude.

Remarks - Leo is an extremely ancient constellation. From the earliest times it has been associated with the sun and according to Pliny, the early Egyptians worshipped Leo because the Nile inundation occurred, in ancient times, when the sun entered this constellation. Leonid meteor showers occur on November 14 in the region of Leo's mane. (Shedding?)

STARS IN LEO

1 - REGULUS ( $\alpha$  /  $\alpha$ ) like regular

Meaning - The Little King

Location - In handle of sickle and right fore paw of Lion almost exactly on the ecliptic. The two back stars in Big Dipper point to Regulus.

Magnitude - 1.34 Apparent M.  
0.3 Absolute M.

Color - Blue - white

Distance - 66 - 67 Light years

Motion - Receding three miles per second.  
Proper motion ten miles per second.

Visibility- Rises just North of East about 9:00 P.M. New Year's Eve.  
Culminates 9:00 P.M. April 6. Seventy times brighter than Sun.

Remarks - Regulus has an 8M. companion star 8 $^{\circ}$  of arc distant which shares the proper motion. Early Persians regarded Regulus as one of the four Guardian stars of Heaven. Hipparchus' observations of this star and Spica led to his discovery of the Precession of the Equinoxes.

2 - Denebola (Deneb'ola)

Meaning - The Lion's Tail

Location - At tip of triangle that is the lion's hindquarters and at the tail's end. 25° East of Regulus.

Magnitude - 2.23M.

Color - Blue

Distance - Thirty-two light years

Motion - Receding 1 mile per second  
Approaching 12 miles per second

Visibility - Culminate 9:00 P.M. May 3. Eleven times brighter than Sun.

Remarks - Has 8M. Companion star also called Dafirah and Serpha.

3 - Algeiba (Al je'ba) Double Star

Meaning - The Mane

Location - In the Sickle and the shoulders of the Lion.

Magnitude - 2.6M

Color - Yellow

Distance -

Motion - Approaching 24 miles per second

Visibility - Culminates April 9

Companion Star

Location - 117 degrees at 3 second of arc

Magnitude - 3.8

Color - Green

Remarks - Algeiba is a well known binary in very slow motion. A complete revolution could hardly take less than 1000 years.

4 - Zosma (Zos<sup>ma</sup>)

Meaning - "A girdle"  
Location - At root of lion's tail  
Magnitude - 2-3M.  
Color - Pale yellow  
Distance - 39 light years  
Motion - Approaching 9 miles per second  
Visibility - Culminates April 24  
Remarks - Also called Duhr and sometimes Lubra.  
Sub-Rosa remarks location does not coincide with chart.

5 - Algenubi (Al je no bi)

Meaning - The head of the Lion  
Location - In Lion's mouth and at tip of sickle  
Magnitude - 3M.  
Color - Yellow  
Remarks - Algenubi is a part of Ashfar which means "The eyebrows".  
Algenubi and two 7M companion stars form a beautiful triangle.

6 - Aldhafera

Location - In the sickle and the neck of the Lion  
Magnitude - 3-4M.  
Visibility - Culminates April 8

8 - Chort (Chort)

Location - In hindquarters of the Lion  
Magnitude - 3M.  
Visibility - Culminates April 24

11 - Alterf (Al terf')

Meaning - "The Glance" i.e. the Lion's eye.  
Location - In the Lion's mouth  
Magnitude - 4M.  
Color - Red

12 - Rasalas ( Ras' a las )

Meaning - "The Lion's head toward the South"  
Location - In the sickle; close to the Lion's right eye.  
Magnitude - 4M.  
Color - Orange  
Visibility - Culminates April 1  
Remarks - Rasalas is also a part of Ashfar meaning "The Eyebrows."  
Other names are Alshamali and Borealis.

15 - Omicron Leonis

Location - Near fore paws.  
Magnitude - 4M.  
Distance - 95.8 light years  
Remarks - R. Leonis is a noted long period variable located on lower mane. It varies from the fifth to the tenth magnitude in 114 days, is red in color, visible to the naked eye at maximum and well worth observing.

FEBRUARY MEETING

The February meeting of the San Jose Amateur Astronomers was held in Room #216, Science Building, San Jose State College, at 8: P . M . Monday, 20 February 1956.

Members present

Donald Anderson  
Dean Pritchett  
Bryan Peterson  
Dr. Geisler  
Learoyd Taylor  
Carl Ericson  
Wallace Phelps  
Dr Weller  
John Delaney

-----Williams ( Come with Dr Geisler )

Guests

Brad Fregger, 771 Goodwin Ave., San Jose.  
William Smith, 1260 Shortridge Ave., San Jose. } Desire to receive notices.  
Rudy Houghtaling

Mr Donald Anderson gave an effective talk on Venus - Planet of the Month - accenting the fact that few facts are known about the second member of the Solar System.

The " Introduction to a Course in Astronomy" was delayed due to the Mr Malcolm Gilmour' being unable to attend.

Dr Geisler followed with a very comprehensive discourse and ~~discussion~~ discussion on " The Birth of Stars" based on " The Universe According to Hoyle." Dr Geisler's Address took the place of Mr Krumm's scheduled talk. Mr Krumm was unable to attend.

Next Mr Wallace Phelps gave the " Constellation of the Month" with a well-prepared talk complete with handouts of drawings and lecture notes.

Visitors were introduced and briefly told about the club. Meeting was adjourned or at least broke up into private discussions till about 10 :00 P.M.

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March Planning Meeting my house

7 Feb March 56  
Pritch

### Minutes for March Planning Meeting

The meeting was held on 7 March 1956 at the home of Mr. Pritchett. The meeting was called to order at 8:00 by Mr. Krumm.

Present were Messieurs Phelps, Ferguson, Erickson, Dunton, Campos, Thompson, Anderson, Peterson, Pritchett, Krumm, Nelson, Fregger, and Dr. Geisler.

Brian Peterson, who is grinding on the 6 in. club mirror, reported on his progress.

Mr. Krumm brought a telescope to the meeting which is being offered for sale by Rev. Smith. It was moved by Dr. Geisler and seconded by Mr. Nelson that we recommend to the membership at the general meeting in March that this telescope be purchased with mount and accessories for \$25.00. The motion was put to vote and passed.

It was moved by Mr. Ferguson and seconded by Mr. Thompson that the club telescope committee convene prior to the next meeting to study the prospect of buying this telescope and report the committee's recommendations to the membership at the next general meeting. Motion was put to vote and passed.

The program was arranged for the March general meeting to be held on 19 March 1956.

It was moved by Don Thompson that Dr. Einnerson of the Physics Department of San Jose State College be elected an honorary member of our club in appreciation of his patronage at San Jose State. The motion was seconded and passed unanimously. The secretary was instructed to write Dr. Einnerson a letter to this effect.

The meeting was adjourned at 9:15 pm. The group then gathered at Lou Dunton's home for a look-see through his 9 $\frac{1}{2}$  inch as well as a few other scopes.

SAN JOSE AMATEUR ASTRONOMERS

MARCH MEETING

Time: Monday March 19, 1956 at 8:00 pm.

Place: Science Wing, San Jose State College.

PROGRAM

"The Planet Mars" - Miss Margaret Ann Krumm.

Canis Major and Minor - Don Thompson.

"An Introduction to a Course in Astronomy" - Bob Ferguson.

"New Frontiers in Space" - This is a 27 min. film relating to the problems we find in astrophysics.

Sincerely,

Tom Nelson, Jr.

## Minutes for the March Meeting

The meeting was called to order at 8:15 pm on Monday March 19, 1956 by Mr. Krumm. Present were Miss Margaret Ann Krumm, Miss Sally Krumm, Messieurs Krumm, Peterson, Cunningham, Nelson, Anderson, Raub, Taylor, Phelps, Erickson, Campos, Ferguson, Fregger, Bieda, and guests Mr. Peterson, Dr. Einnerson, Dr. Bidelman, and Dr. Geisler with his brother Mr. Bob Geisler.

"The Planet Mars" was presented by Miss Margaret Ann Krumm. She gave us a very thorough coverage, and her talk was illustrated by a couple of very nice slides.

"Introduction to a Course in Astronomy" was presented by Bob Ferguson. The text of this course is to be "Astronomy" by John Charles Duncan. Bob gave us a good outline of the course. He also passed out individual cards of the Greek alphabet. A show of hands indicated that we were unanimously in favor of continuing this course.

It was announced that the next planet of the month will be Jupiter, by Steve Bieda.

The next constellation of the month will be Coma Berenices and Canes Venatici, by Bob Cunningham.

The first chapter of our course in astronomy will be given by Brian Peterson.

Dr. Bidelman from Lick Observatory gave us a short talk explaining the observatory's attitude, and then answered many questions about Lick Observatory.

It was moved by Don Thompson and seconded by Dr. Geisler that the club purchase the 4 in. telescope from Rev. Smith. The motion was put to question and passed. The secretary was instructed to draw a check for \$25.00 payable to Rev. Leonard H. Smith. The telescope was immediately loaned to Wally Phelps for the first month.

The film "Frontiers of Space" was shown next, and the members seemed to enjoy it immensely. More films should be shown at our meetings.

The meeting adjourned at 10:00pm.

#### APRIL PLANNING MEETING

The meeting was held in Mr. Krumm's house in Cupertino. The meeting was called to order at 8:00 pm by Mr. Krumm.

Those present included members Krumm, Ferguson, Cunningham, Fregger, Bieda, Peterson, Phelps, Nelson, Anderson, and Geisler.

The program for the April meeting was planned, as follows:

- 1) Constellation of the Month-Coma Bernices, Canes Venatici-  
Bob Cunningham
- 2) A Course in Astronomy-First Chapter - Brian Peterson
- 3) The Planet Jupiter - Steve Bieda
- 4) Mirror Coatings - Dr. Geisler.
- 5) Questions and Answers, conducted by Mr. Krumm

Some discussion was made relative to the matter of our club joining the Western Amateur Astronomers, the Astronomical Society of the Pacific, the Astronomical League, or some other such organization. This matter is to be discussed further at the May Planning meeting.

There being no further business, the meeting adjourned at 9 pm.

Tom Nelson , Sec'y.

SAN JOSE ASTRONOMY ASSOCIATION

APRIL MEETING

TIME: 8 pm Monday April 16, 1956

PLACE: Science Wing, San Jose State College

PROGRAM

- 1) "Constellation of the Month" - Coma Berenices and Canes Venatici  
by Bob Cunningham
- 2) "Jupiter" by Steve Bieda
- 3) "A Course in Astronomy" by Brian Peterson
- 4) "Mirror Coatings" by Dr. Geisler

These discussions will be followed by a question and answer period conducted by Mr. Bruza. After the meeting we will convene in Columbus Park for a little "seeing" if the weather conditions permit. Be on hand to have a look through our new club telescope!

Sincerely,

*Tom*

Tom Nelson, Sec'y.

# MINUTES OF THE MAY PLANNING MEETING

May 2, 1956

The meeting was held in the home of Brian Peterson at 2248 Parkwood Way in San Jose. The meeting was called to order at 8 pm by Mr. Krumm.

Members present included Messrs. Cunningham, Bieda, Krumm, Nelson, Fregger, Anderson, Peterson, and Thompson. Present also were Miss Sallye Krumm and a guest brought by Don Thompson.

The relative merits of the Western Amateur Astronomers, The Astronomical League, and the Astronomical Society of the Pacific were discussed. It was suggested that we present to the club the proposition that we join the Western Amateur Astronomers.

It is to be noted that Bill Raub now has the club telescope.

Bill Raub has suggested that we have a star party on Mt. Hamilton this fall during the conjunction on Mars. Mr. Krumm talked with one of the astronomers at Lick, and this fellow suggested that we meet at some place known as the "Golf Course".

It was moved and passed that the secretary be instructed to write to Lick Observatory and request 50 tickets for our club for the nearest available Friday night before Sept. 11th.

Steve Bieda suggested that our club make an effort to get a convention held here before 1959. This was discussed, but no decision reached.

A motion was made by Don Anderson that we recommend to the club that we buy a copy of "Astronomical Universe" by Heldegard to be used as a basis for instruction in our current series. This motion carried.

It was suggested that we study some revision of our by-laws at the next planning meeting.

The program for the May meeting was arranged.

Mr. Krumm appointed a nominating committee for the forthcoming election of officers. The committee will include Bob Cunningham, Don Anderson, and Dean Pritchett.

Mr. Krumm presented the idea that we adopt some sort of uniform apparel to wear any time we meet as a group. The idea was very favorably received, but no decision was reached.

There being no further business, the meeting adjourned at 10:00 pm.

SAN JOSE AMATEUR ASTRONOMERS

MAY MEETING

TIME: 8 pm Monday 21 May 1956

PLACE: SCIENCE WING, SAN JOSE STATE COLLEGE

PROGRAM

- 1) "The Planet Saturn" - Brad Fregger
- 2) "Constellations of the Month" - Margaret Ann Krumm
- 3) "A Course in Astronomy, Second Session" - Walter Krumm
- 4) "The Teaching of Astronomy" - Dr. Duncan

Dr. Duncan is head of the Natural Sciences Dept. at San Jose State College, so his talk will be very informative.

- 5) Questions and Answers - Conducted by Walter Krumm

Sincerely,

Tom Nelson, Jr., Sec'y.

MINUTES OF THE MAY MEETING

21 May 1956

The meeting was called to order at 8:00 pm by the president, Mr. Krumm. The meeting was held in the basement of the Science Wing of San Jose State College.

Present were members Bieda, Cunningham, Delaney, Ferguson, Geisler, Anderson, Raub, Taylor, Phelps, Thompson, Fregger, Peterson, Nelson, and Krumm. Present also were guests Mrs. Krumm, her two daughters Sally and Margaret Ann, and Brad Williams.

The Constellation of the Month was presented by Miss Margaret Ann Krumm. She covered Corona and Hercules very well.

The Planet Saturn was presented by Brad Fregger. This was his first time as lecturer for us, and he carried it off very well. His manner of presentation was good, and his coverage of the subject was excellent.

The second phase of our Course in Astronomy entitled "The Optics of the Telescope" was given Mr. Krumm. He did a very excellent job as usual. This discussion worked very well with our scheduled question and answer period, also conducted by Mr. Krumm.

Dr. Duncan was unable to be with us tonite, so his talk was postponed.

The nominating committee appointed by Mr. Krumm at the May planning presented their choices of officers, as follows:

President:

Bob Ferguson  
John Delaney

Vice President:

Don Anderson  
Mr. Taylor  
Tom Nelson

Secretary:

Wally Phelps  
Steve Bieda

Treasurer:

Bob Cunningham  
Brian Peterson  
Brad Fregger

The elections for these offices will be held at the June Meeting.

The meeting was adjourned at 9:45.

## MINUTES OF THE JUNE PLANNING MEETING

6 June 1956

The meeting was held at Wally Phelps' home in Cupertino. The meeting was called to order at 8:15 by Mr. Krumm. Present were members Krumm, Geisler, Anderson, Delaney, Peterson, Fregger, Ferguson, Nelson, Phelps, and Misses Margaret Ann and Sally Krumm.

The program for the June meeting was arranged, as follows:

- 1) Constellation of the Month- Lyra - John Delaney
- 2) Third Chapter of a Course in Astronomy - Don Anderson.
- 3) Planet of the Month - Uranus, Neptune, Pluto - Bob Ferguson
- 4) Elections.

Dr. Geisler was asked to check and determine if we will be able to use a room at San Jose State College. In the event we cannot use the facilities at SJSC, we will be able to use the clubroom at Columbus Park.

There being no further business the meeting was adjourned at 9:15.

Four telescopes were set up in the Phelps' back yard, and we enjoyed some fine seeing at Venus, Jupiter, etc.

SAN JOSE AMATEUR ASTRONOMERS

JUNE MEETING

TIME: 8 pm, Monday 18 June 1956

PLACE: Clubroom at Columbus Park, located at Polhemus and Irene Sts.,  
in San Jose.

PROGRAM

"Constellation of the Month-Lyra" - John Delaney

"Third Chapter of a Course in Astronomy" - Don Anderson

"Planets of the Month - Uranus, Neptune, and Pluto" - Bob Ferguson

Election of Officers for the year 1956-57

The nominating committee has made the following nominations:

For President:

Bob Ferguson  
John Delaney

For Vice-President

Don Anderson  
Mr. Taylor  
Tom Nelson

For Secretary

Wally Phelps  
Steve Bieda

For Treasurer

Bob Cunningham  
Brian Peterson  
Brad Fregger

It is important that we have a large turn-out for the elections,  
so please try to come.

Sincerely,

*Tom Nelson / ETNA*

Tom Nelson, Sec'y

## MINUTES OF THE JUNE MEETING

18 June 1956

The meeting was called to order at 8:20 by Mr. Krumm. Present were members Raub, Delaney, Phelps, Nelson, Anderson, Peterson, Krumm, Bieda, Cunningham, Thompson, Mrs. Krumm with her two daughters, and Jerry Powers.

3 The Constellation of the Month, Lyra, was presented by John Delaney.

The Planet of the Month, Uranus, was presented by Bob Ferguson. The original intent was to present the three outer planets at this time, but Bob was able to discover so much material and present such a good talk that he limited his discussion to only Uranus. Very interesting and informative.

A Course in Astronomy, The Earth, Was presented by Don Anderson.

In preparation for the elections Don Thompson was appointed as Sgt-at-Arms, and Tom Nelson and Bob Cunningham as Tellers.

In the election for the office of President, Mr. Bob Ferguson won on the first ballot by a majority of 9 to 4.

In the election for the office of Vice-President, Mr. Don Anderson won on the first ballot by a majority of 11 to 2.

In the election for the office of Secretary, Miss Margaret Ann Krumm was nominated from the floor. After having three tie ballots, Mr. Phelps won on the fourth by a majority of 5-4-4.

In the election for the office of Treasurer, Mr. Brian Peterson won on the first ballot by a majority of 7-5-1.

Mr. Bill Raub announced that an attempt to put the conjunction of Mars on television was being considered. He promised to report to the club any further details he could uncover.

Steve Bieda announced that the B & C Observatory will hold open house on June 23rd, and will hold their annual star party on July 7th. Both these affairs will be held at Bob Cunningham's home. He also presented a good outline of "Mars for 1956" program of the B & C Observatory.

The next planning meeting will be held on Monday July 2nd at the home of Don Thompson in Campbell.

\$5.00 membership fees were received from Bill Raub and Don Thompson.

The meeting adjourned at 10:15 pm.

SAN JOSE AMATEUR ASTRONOMERS

July 1956 Meeting

DATE : July 16 - 8:00 P.M.

PLACE: Science Wing  
San Jose State College

P R O G R A M

I. Planets of the Month

Neptune and Pluto

Bob Cunningham

II. Constellations of the Month

Aquarius and Capricornus

Jerry Powers

III. Book Review

"Exploring Mars" by R. S. Richardson

M. A. Krumm

IV. Commonly Mispronounced Star Names


Dr. Geisler

Look for These Coming Events

Star Party - Date to be announced

Meteor Observation

Lick Observatory Night - September 28, 1956

  
W. W. PHELPS  
Secretary

# AVOID VERBAL ORDERS

## THE DEVILBISS COMPANY

Date \_\_\_\_\_

To \_\_\_\_\_ Copies to \_\_\_\_\_

From \_\_\_\_\_

Subject \_\_\_\_\_

San Jose Amateur Astronomers  
 August 1956 Meeting  
 Date: August 20 1956 - 8:00 Sharp  
=====

Place: Science Wing  
 San Jose State College

### Program

I Planet of the Month  
 Pluto Tom Nelson

II Constellations of the Month  
 Andromeda + Regulus - Don Anderson

III Talk  
 Mars Bill Raab

IV Mars observing tests  
 Steve Beeda  
 and Bob Cunningham

Coming Events  
 Public Star Party Oct 9

Zick Observatory Night Sept 28<sup>th</sup>  
~~How many stars to get~~

# AVOID VERBAL ORDERS

THE DEVILBISS COMPANY

Date \_\_\_\_\_

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Copies to \_\_\_\_\_

From \_\_\_\_\_

Subject \_\_\_\_\_

## Coming Events

|   |         |
|---|---------|
| Closest Approach of Mars                      | Sept 7  |
| Opposition of Mars                            | Sept 11 |
| Zick Observatory Night                        | Sept 28 |
| (Submit your tickets requests at Aug meeting) |         |
| Rabbi Abner Party                             | Oct 9   |

If you have not yet paid your  
1956-57 dues, send your check to  
Brian Peterson, 2248 Parkwood Way,  
San Jose to ensure receipt of your August  
sky + telescope

SAN JOSE AMATEUR ASTRONOMERS

September 1956 Meeting

Date: September 17, 1956 - 8:00 P. M. Sharp!

Place: Science Wing  
San Jose State College

PROGRAM

- |      |   |                  |
|------|---|------------------|
| I.   | Planet of the Month - Pluto                                 | Tom Nelson       |
| II.  | Constellations of the Month<br>Pices and Cetus              | Charles Gardiner |
| III. | Report of Observing Mars (This will be interesting to all.) |                  |
| IV.  | Commonly Mispronounced Star Names                           | Dr. Geisler      |
| V.   | Group Observing of Mars (Bring your telescope)              |                  |

COMING ATTRACTIONS


Lick Observatory Night - September 28  
(Tickets will be given out at September 17 Meeting)

Public Star Party - October 9, 1956 - 7:00 P.M. - Columbus Park

October Planning Meeting - October 1, 1956 @ 7:30 P. M.  
Home of Charles Gardiner, 210 - 19th Street, San Jose

NOTICE

Future Planning Meetings will be held on the first Monday of month. Regular Meetings will continue to be held on the third Monday.

  
W. W. PHELPS  
Secretary

SAN JOSE AMATEUR ASTRONOMERS

October 1956 Meeting

DATE: October 15 - 8:00 P.M.

PLACE: Science Wing  
San Jose State College

P R O G R A M

I. Planet of the Month

Pluto

Tom Nelson

II. Constellations of the Month

Persues and Camelopardalis  
(Pronounced Për'sûs - Ka-mêl'opardalis)

Brian Peterson

III. Study of the Celestial Sphere

The first of a series to develop our  
ability to readily locate stars, planets,  
galaxies nebulae, clusters etc.

Walter Krumm

IV. Two Weeks on a Mountain Top

Don will tell us of his experiences atop  
Junipero Serra Peak observing Mars and  
pioneering the site of a proposed new  
telescope. His talk will initiate a  
"Principal Speaker" program.

Don Thompson

Look for These Coming Events

East Bay Astronomical Society Annual Star Party  
Juniper Camp Area, Mt. Diablo  
Saturday, October 13, 1956

Members of other societies are especially welcome.  
Bring you scope, firewood, food, tent, sleeping bag  
etc.

November Planning Meeting

Monday November 5, 7:30 P.M.  
At the home of Charles Gardiner  
210 North 19th Street  
San Jose, California

W. W. PHELPS  
Secretary

SAN JOSE AMATEUR ASTRONOMER

NOVEMBER MEETING

PLACE:        SAN JOSE STATE COLLEGE        SCIENCE WING

TIME:        MONDAY NOVEMBER 19, 1956        8:00 P.M. SHARP

1        THE MOON        BOB CUNNINGHAM

2 CONSTELLATION OF THE MONTH ----- CEPHEUS -----DAVID DEL GRANDE

3 OBSERVING ----- WALTER ~~BRUMM~~

4 PLANET OF THE MONTH ----- PLUTO ----- TOM NELSON

  
W W PHELPS

SECTY.

# MINUTES OF THE NOVEMBER PLANNING MEETING

5 November, 1956

The meeting was held at Charles Gardiner's home in San Jose. The meeting was called to order at 8:00 by Mr. Ferguson. Present were members (you're gonna have to do it yourself!).

The program for the November meeting was arranged as follows:

- 1) The Moon, illustrated - Bob Cunningham 30-45 min.
- 2) Constellation of the month-Cepheus - David del Grande 15 min.
- 3) Observing-audience participation - Walter Krumm 30 min.
- 4) Planet of the month-Pluto - Tom Nelson 15 min.

PRINCIPAL SPEAKER: It was decided that we should have one main speaker who would give a thirty to forty minute speech on a subject of interest to all of the club members. The speaker could be an authority on a subject, but he could also be one of the members of the club. The principal speakers for the next few months are:

- 1) November, 1956, Bob Cunningham - The Moon
- 2) December, 1956, Steve Bieda - The Sun
- 3) January, 1957, Ken Blackwell - Radio Astronomy
- 4) February to April, 1957, Gary Landry and Bryan Peterson - Astronomy Photographic.

OBSERVATIONS: Mr. Krumm suggested that the observation part of a meeting should be one of the main parts of the agenda, with twenty minutes of audience participation and ten minutes explaining what the stars for the next month are. We should be able to find and know what a celestial object looks like.

~~CHAIRMAN AT MEETINGS: A motion was made (by whom?) and seconded (by whom?) that Mr. Anderson take over as chairman at the regular meetings of the club. The motion was passed.~~

BOARD OF DIRECTORS: There will be a Board of Directors meeting at Walter Krumm's house in Cupertino, 7:30 pm, November 12.

STARPARTY: Mr. Krumm stated that he was planning a starparty the night of the lunar eclipse, November 17, 1956, at the Saratoga Summit. ~~THIS /RAISED~~

RECOUNT OF TELESCOPES: The Secretary made a list of telescopes, planned, in process of being built, and finished.

There being no more business, the meeting was adjourned at 9:15. Refreshments were served and there was one telescope (Chas. Gardiner's) set up.

## AVOID VERBAL ORDERS

THE DEVILBISS COMPANY

Date 12/Nov/56To B.O.D. Board of Dir. Copies to

From

7:45 pm

Subject

1. Change no. from 11- to 4 dir elec. on even, 3 on odd no. yrs (annu's)
2. Change [pent treas] to sec-treas instead of 3 officers
3. ~~Under~~ Art. 5 Sec. IV Add <sup>Sec Treas</sup> Cannot spend more than in treasury at any time <sup>a debt</sup> Club cannot contract ~~indebtedness~~ without approval of "Board" of directors or may of membership at large (!) No more than 80% any capitalistic investment can be of made by with only Pres' app. all money in treasury. Sanction of membership needed to spend any money.  
 Operative Expenses (and approved by mem. + suggested by BOD + members?)  
 Cap. investments?  
 Quorum of BOD  
 Motion to let Wally ~~Mr~~ write motion

SAN JOSE AMATEUR ASTRONOMERS

December Meeting

Date : Monday, December 17, 1956

Place: Science Wing  
San Jose State College

P R O G R A M

|     |                            |              |
|-----|----------------------------|--------------|
| I   | The Sun                    | Steve Bieda  |
| II  | Planet of the Month        | Tom Nelson   |
| III | Constellation of the Month | Ed Kingman   |
| IV  | Celestial Observing        | Walter Krumm |

"IMPORTANT"

Who has a 16 MM projector or a 35 MM slide projector - or what have you? We would like to use it for club meetings only. If you have one available, please phone Bob Ferguson at CHerry 8-1365.

COMING EVENTS

January Planning Meeting: January 7, 1957 7:30 P.M.

John Delaney's home  
2410 Woodland Avenue  
San Jose, California

  
W. W. PHELPS, Secretary

[Noie Daomaenorebayo.]

Notes on Dec 17, 1956 Meeting of S.I.A.A.

1. Meeting came to order(?) at 8:05 pm.
2. Don Anderson passed out copies of the by-laws of the Club.
3. Steve Bieda gave talk on Sun. ("Our Star - the Sun"). Greenwich & Royal Obs. make regular sunspot counts. (Daily spot av. = 2019 11,000,000 sun's area<sup>647</sup>) (0,0000002019 area!) 300 ft/sec speed of prominences (88 ft/sec = 60 m/h). He won't tell how  $H_2$  is changed to He. Amateurs can help count sunspot numbers. Send in No's to Sunspot Division of AAUSO. Sig. flares, No of spots. (Lots of info about Sun!)
4. Ed Kingman Constellation of Month - Draco. (Draconis) Myths were CRAZY! good history, too!
5. Old Master Walb Krumm & his Celestial(?) (that means "heavenly") Observing.
6. Piff of lunar eclipse Nov. 17, 1956.
7. Subscriptions to "Sky Observer" taken by S. Bieda & B. Cunningham.
8. Don Thompson explained how biochemistry can be applied to astronomy! (Foo!) (?) <sup>(?)</sup> I don't comprehend. Planning Meeting 1-7-57<sup>10</sup> at John Delaney's

BY-LAWS  
OF  
SAN JOSE AMATEUR ASTRONOMERS

ARTICLE I  
OFFICE

SECTION 1. The principal office in the State of California shall be in the county of Santa Clara, and shall be located at such address as may be fixed by the Board of Directors.

ARTICLE II  
MEMBERS

SECTION 1. Classes of Membership. There are hereby established the following classes of membership: (1) Active Members, (2) Contributing Members, and (3) Honorary Members. The qualifications of each class are hereinafter set forth:

(a) Active Members. All active members of the San Jose Amateur Astronomers, a corporation, shall pay dues to the corporation, shall receive the "Sky & Telescope" Magazine, and have the right to one vote at any meeting of the corporation membership. Any person may become an Active Member upon acceptance of his application for membership by the Board of Directors.

(b) Contributing Members. The Board of Directors, by a majority vote, may confer, for a period of one year, the title of Contributing Member upon a person who shall have made a substantial contribution to the Corporation. Contributing Members shall have all the rights and privileges of Active Members.

(c) Honorary Members. The Board of Directors shall have the power in its discretion, by a majority vote, to confer the title of Honorary Member upon any person. Honorary Members shall have all of the rights and privileges of Active Members other than the right to vote and to receive the magazine "Sky & Telescope".

SECTION 2. Dues. The amount of annual dues shall be decided by the Board of Directors. Active Members shall pay dues annually to the corporation, and upon payment of such dues, shall be entitled to receive the magazine "Sky & Telescope" for one year, provided however, that where there is more than one active member in a household, such additional members shall be entitled to all the privileges of membership other than the subscription to "Sky & Telescope" by paying annual dues decreased by the amount charged for a subscription to "Sky & Telescope". To insure uninterrupted receipt of "Sky & Telescope", dues are to be paid promptly upon notification rendered by Sky Publishing Co.

ARTICLE III  
MEMBERSHIP MEETINGS

SECTION 1. Place of Meetings. Meetings of the membership shall be held monthly on the third Monday at the San Jose State College Science Department in a room designated by the school; or at such other location as may be selected by the Board of Directors.

SECTION 2. Annual Meetings. The regular monthly meeting held in June shall be designated as the Annual Meeting. At said Annual Meeting, Directors of the Cor-

poration shall be elected. Twenty-five percent of the active membership shall constitute a quorum for this meeting.

SECTION 3. Special Meetings. Special meetings of the membership may be called at any time by order of the President or upon demand by a majority of the Board of Directors.

SECTION 4. Notices of Meetings. Written notice of Special Meetings and Annual Meetings shall be given to all active members not less than five (5) days prior to the meeting date. Notice of Regular Meetings is mandatory only to notify the membership concerning a change in time and/or place of meeting.

SECTION 5. Quorum at Membership Meetings. At Membership Meetings, other than Annual Meetings, the attending Active Members shall constitute a quorum, and a majority vote of those present shall be sufficient for the transaction of business.

#### ARTICLE IV DIRECTORS

SECTION 1. Powers, Prerogatives, and Promulgation. The corporate powers, business and property of this corporation shall be vested in and exercised, controlled, and conducted by a Board of Directors consisting of seven (7) members who shall be active members of the corporation.

SECTION 2. Terms of Directors. Directors shall be elected, by the active membership, for a term of two (2) years. Three (3) directors shall be elected on odd numbered years and four directors shall be elected on even numbered years.

SECTION 3. Vacancies. The directors shall have the power to fill vacancies on the board by selecting a qualified member from the membership at large to serve only during the unexpired term of the directorship vacated.

SECTION 4. Meetings of The Board. The Board of Directors shall meet monthly on the first Monday at the homes of members. Such meeting places to be established by invitation, at the preceeding (regular) meeting. Special meetings of the Board of Directors may be called by the President, or by any two Board Members, at any time.

SECTION 5. Notices of Board Meetings. Notices of Regular and Special Meetings of the Board of Directors shall be mailed, telephoned, or personally delivered not less than three (3) days prior to said meeting.

SECTION 6. Quorum. Five members of the Board of Directors shall constitute a quorum for the transaction of business.

#### ARTICLE V OFFICERS

SECTION 1. Scope. The officers of this Corporation shall consist of a President, Vice President, and Secretary-Treasurer, who shall be chosen by the Board of

Directors at the first meeting of the Board following the Annual Meeting of the membership, said officers to serve for a term of one year. The Board of Directors may create any additional office or offices it deems necessary and elect the officers thereof.

SECTION 2. Powers and Duties of The President. The President shall preside at all membership meetings, call special meetings of the membership, and of the Board of Directors, as he deems necessary. He shall affix the signature of the Corporation to all papers unless otherwise directed by the Board of Directors. He shall supervise and control, subject to the Board of Directors, all other officers of the Corporation.

SECTION 3. Duties of The Vice President. The Vice President shall have the power to act and shall act in the absence of the President, or at the request of the President.

SECTION 4. Duties of The Secretary-Treasurer. The duties of the Secretary-Treasurer are:

(a) To keep full and correct records of the proceedings of the Board of Directors and of the meetings of the members.

(b) To be custodian of the books and papers of the Corporation.

(c) To sign, in conjunction with the President, all instruments in writing as directed by the Board of Directors.

(d) To publish and distribute all notices which may be necessary and proper, without command or direction from anyone. In the case of the absence, inability or refusal or neglect of the Secretary-Treasurer to make publication of any notice, then such notice may be signed, published, and distributed by the President, Vice-President, or other person thereto authorized by either of them or the Board of Directors.

(e) To supervise and control the keeping of accounts and of the books of the Corporation, and generally do and perform all such duties as pertain to his office and as may be required by the Board of Directors or by the President.

(f) To have custody of the Corporate funds and securities, and to keep full and accurate account of all receipts and disbursements in books belonging to the Corporation, and to deposit all monies and other valuable effects in the name and to the credit of the corporation, in such depositories as may be designated by the Board of Directors. The Secretary-Treasurer shall disburse the funds of the Corporation as may be ordered by the Board of Directors, or the President, take proper vouchers for such disbursements, and render to the President and the Board of Directors, whenever they require, an account of all his transactions as Secretary-Treasurer and of the financial condition of the Corporation.

SECTION 5. Vacancies. In the event of a Vacancy in the offices of the Corporation, a successor shall be elected by the Board of Directors to serve the unexpired term of the vacancy.

## ARTICLE VI COMMITTEES

SECTION 1. Nominating Committee. One month prior to the annual meeting of the membership, the President shall name three (3) members to serve on a standing

committee to be known as the nominating committee. It shall be the duty of the nominating committee to submit to the members attending the annual meeting, the names of at least one candidate for each director to be elected under these articles.

SECTION 2. Board of Director's Committees. At its discretion, the Board of Directors may establish committees whose powers and terms of service are specifically controlled by the Board.

#### ARTICLE VII Dissolution

SECTION 1. Upon a proposal concurred with by three-fourths ( $3/4$ ) of the active members present and voting at a regular membership meeting duly noticed, this Corporation may be dissolved; and upon such dissolution the funds and properties of the Corporation shall be distributed by a majority vote of the Board of Directors subject to the approval of the active members.

#### ARTICLE VIII Amendments

SECTION 1. These By-Laws may be repealed or amended, or new By-Laws adopted by a two-thirds ( $2/3$ ) vote of the active members present at an Annual Meeting or a Special Meeting called for that purpose. Notice of any such repeal, amendment, or adoption shall be submitted to all active members and such proposal or proposals shall be read at a regular meeting of the membership before such proposal or proposals may be considered.

The above By-Laws incorporate all amendments made prior to December 4, 1956.

Wallace W. Phelps, Secretary