

Predictions

SEPTEMBER IN THE YEAR 1978

- Aug. 25-26 AANC-sponsored star party at Fremont Peak.
- Aug. 26 Indoor star party, Los Gatos Red Cross, 7:00 pm.
- Sept. 2 Club star party at Fremont Peak.
- Sept. 8 General Meeting with the San Mateo County Astronomical Society at Canada College. Dr. William Gilbreath of NASA-Ames will speak on Space Settlements, Satellite Solar Power Stations, and energy alternatives. See blurb section for more details.
- Sept. 9 General Meeting, Rosicrucian Planetarium, 7:30 pm. Park & Naglee, San Jose. Gerry Rattley will give his chart talk on numbers 2, 6, and 12. For the slide show, bring no more than 24 slides per person.
- Sept. 15 Board of Directors Meeting, 8:00 pm. Jim Van Nuland's house, 3509 Calico Ave, San Jose.
- Sept. 16 AANC Board of Directors Meeting, 5:00 pm. Los Gatos Red Cross building. Indoor star party, 7:00 pm. Graze planning meeting.
- Sept. 23-24 Lunar Graze Occultation expedition to observe a double star graze. See the Occulting Zone page.
- Sept. 23 Indoor star party, Los Gatos Red Cross, 7:00 pm.
- Sept. 29-30 AANC-sponsored star party at Fremont Peak.
- Sept. 30 Close-in club star party at Sanborn Canyon.
- Oct. 7 General Meeting, Rosicrucian Planetarium, 7:30 pm. Park & Naglee, San Jose. Program to be announced.
- Oct. 13 Board of Directors Meeting, 8:00 pm. Phil Hermsmeyer's house, 20900 Alves Dr, Cupertino.
- Oct. 14 Indoor star party, Los Gatos Red Cross, 7:00 pm.
- Oct. 21 Indoor star party, Los Gatos Red Cross, 7:00 pm.
- Oct. 27-28 AANC-sponsored star party at Fremont Peak.
- Oct. 28 Close-in club star party at Sanborn Canyon.

"I look good in a grass skirt."

Wolfgang Hanisch

Conference at Cal Poly

The following are my notes from the notes Debrah Moore took for me at the conference.

About 240-250 people attended. There were quite a few good talks, ranging in subject matter from the beautiful southern skies to astrology. Ashley McDermott, the banquet speaker, gave a talk on the limits of knowledge in astronomy. Debbie, in trying to describe it, came up with a good quote. "How many conclusions we can draw without drawing too many." And, of course, a lot was said about the upcoming solar eclipse in February.

The winner of the G. Bruce Blair Award was Jackson Carle.

At the star party, seeing was so bad Debbie had trouble finding M4. Eventually, they got clouded out.

The meals were great, the ping pong tournament was a lot of fun, as was the swimming; no one did any skinny dipping that Debbie knows of.

At the Aug. 11 Board of Director's meeting not a whole lot was discussed (that's publishable). They did discuss publicizing the club and the possibility of having a number in the phone book, and maybe even making up business cards. (Ed Schell has made a standing offer for the last 4 months to handle the printing.) We called John Rhodes at the hospital and most took turns talking to him. And the calendar was reviewed.

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FOR SALE

8" Newtonian f/7 includes: car-top rack, 4 eyepieces & finder. \$150.00.

Also for sale is a spare tire rear door mount for a van. \$7.50

Brad Carlson - 268-1580

FOR SALE

10" Newtonian f/8 Cave Model C Deluxe \$750.00

Wanted: portable pier or tripod mounting for 8" Newtonian or Ritchey-Chretien. Price negotiable

Les DeLong - Evening 263-4612

WANTED

Used 5-6" Cassegranian/Maksutov telescope such as a Celestron 5 or Dynamax 6, not necessarily clock driven. Please call or write about details of size, mount, price, etc.

L. K. Lantz, 1468 W 37th, San Pedro, Ca. 90731
213-923-7511 8 to 4 PM

FOR SALE

Award winning telescope. 10" f/6 with a 5¼" f/10 guide scope. Complete dual axis Phase 4 electronic control system. Ready for deep-sky photography. \$1500.

Don McGlaufflin, 840 N Fine, Fresno, Ca. 93727
209-251-1013

BLURBS

As you may have noticed, this month's Bulletin is considerably larger than my usual 9-9½ pages. This month's also marks my first anniversary. I have been editor for a whole year. For this reason I wanted to do something special, hence, the many pages, more material, more information, more maps, and writing. For the future, knowing what this Bulletin has been like, what do you want different? I need feedback and ideas. Phil Hermsmeyer thought up the idea of the question of the month, Don Machholz started his Comet Comments, Cathy Pinheiro's publishing the library.... What else do you want, like, dislike? Please let me know. I'm at most of the meetings, and my phone number is on the bottom of the front page.

John Rhodes will be going back to work after Labor Day. The operation was successful, and he's doing great! Who says people with strong minds have to have weak backs.....

Denni Medlock slipped one over on us. Until I read her report on the Fremont Peak star party, I didn't know about her birthday.

On July 29, Cathy Pinheiro's birthday was celebrated two days early at the Red Cross. Phil Hermsmeyer brought in an enormous cake without the candles, which he forgot. Luckily, in a drawer in the kitchen, we found a partial box of them. But what does one do with 15 candles for a 20th birthday? Pete Manly knew. 10100 in binary translates to 20 in decimal! Five candles; the 1's were lit, the 0's unlit! It worked beautifully. Because we half demanded that Cathy come that night, I don't think she was too surprised, but it was the thought that counted.

The San Mateo club has invited us to their Sept. 8 general meeting. If you can make it, please come. It will be held at Canada College (off Hwy. 280) on 4200 Farm Hill Blvd. in Redwood City. Go to the Multi-Purpose Room below the bookstore in Building #8 at 7:45 PM.

Again, the board wants to know who has the metal, blue and white SJAA signs.

Cathy Pinheiro, Secretary, has started the club scrapbook. Give all your newspaper clippings and magazine articles about astronomy to her.

On Sept. 16, the AANC will hold their Board of Director's meeting at 5:00 PM in the Los Gatos Red Cross building. All club members should attend. This is your chance to find out what the AANC does. Afterwards, the board will attend the indoor star party, most of them never having been to one.

Many of the club members have and keep tropical fish. I have three tanks, Gerry Rattley has seven, Gary Rice, one, Dave Ambrose, one..... Fish and astronomy seem to hold the interest of the same people. How about changing the name of the club to SJAAA - San Jose Aquarium and Astronomical Association!?

Star

occulting zone

GRAZE INFORMATION

Date: September 23-24, 1978, Saturday-Sunday. All times are PDT.

Circumstances: Double Star!!! mags. 6.2 each, 0.64" at 138 degrees. Components will OUT and IN separately, seconds apart, which will be quite a spectacle. However, the moon is only 15 deg. up, not too favorable. Poor seeing or haze will cause trouble. Take a chance. Call me if you're brave, if I haven't signed you up already.

Location: Central valley west of Fresno, 150 miles. Down Hy. 101 to 152; then east across Pacheco Pass to I-5. Go south 23 miles, exit onto J1 = Shields Ave. This jogs around and becomes Hy. 180 = Whites Bridge Rd. Continue to the town of Kerman. East 3 miles to the site on Bishop Ave. Turn right a few blocks.

Late arrivals may wait at "Tom's Burger Hut" in the parking area, north of Kerman on Hy. 180 and Madera Rd., southwest corner. Convoy will leave at 11:00 PM.

Weather update: I will call my wife before 7:00 PM. Call her after 7 to learn of weather prospects for the night. This is early enough to drive down.

Time: Start continuous record at 1:15 AM. Central graze time is 1:25 AM. End record at 1:35 or when star is well clear of moon.

Be ready by 12:45 AM, PDT. Allow time to search for station, and plenty for setting up, testing equipment, finding star, trying eyepieces, etc.

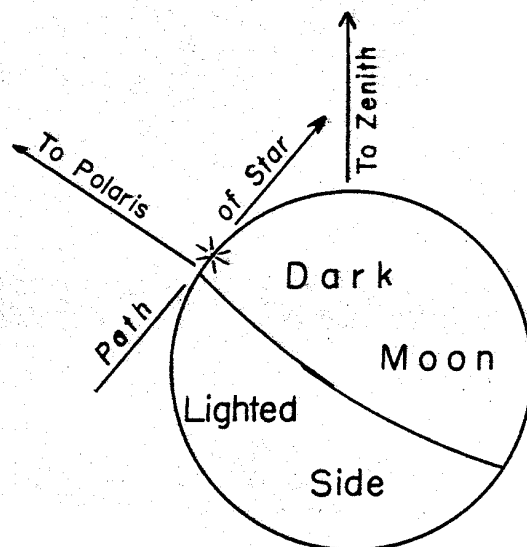
Come down Saturday evening, and enjoy the dark sky for some viewing. I'll be up early Sat. A.M.

CB: Channel 14.

The group handle is "Graze Chasers"; answer any such calls with your own handle. My handle is "Sunspot".

Many handy numbers and neat stuff

Graze Position Angle: 354 deg
Vertex angle: 50
Cusp Angle: +8N
Watts Angle: 352
Moon North pole PA: 1 deg
North Cusp PA: 1
South Cusp PA: 181
Sunset: 6:56 PM
Civil Twilight: 7:25 PM
Astro. Twilight: 8:24 PM
Moonrise: 11:48 PM
Star mag: 5.7 combined
Spectrum: A5 (blue-white)
RA (1950): 6h11.6m
Declination: 17.9 deg.
Moon elevation: 15 deg
Azimuth: 79
Illumination: 48%-
Moon RA (1978): 6h09m
Declination: +18.2 deg
for time: 1 AM.
Constellation: Orion



79° Azimuth East

Jim Van Nuland, (408) 371-1307
3509 Calico Ave., San Jose 95124

A Sheep in Wolf's Clothing

Wolfgang Hanisch is 35 years old, slightly overweight, and is married to a very supportive wife, Martha. Their two children, Robert, 6, and Peter, 5, both know the planets. Wolf teaches oceanography and photography at Homestead High School and is in the middle of building his own darkroom and studio facilities.

How did he get interested in astronomy? When his oceanography class asked, "Where does all the water come from?", that led to the sun, the planets, the galaxies.... Soon he was teaching a 2-3 week course in astronomy. He did all his own research and found himself very much interested. Three years ago he contacted some SJAA members, got discouraged at the high prices of telescopes, and spent the next year learning the sky with a pair of binoculars on camping trips with his wife.

Something else kindled his interest about astronomy. A movie, The Violent Universe, described a Japanese comet seeker named Seki. Here was an ordinary person, living an ordinary life, having a family, a job, etc., but at night, on top of his house with a telescope and heated slippers, he was doing serious astronomy. It's the idea that anyone, anywhere can be an astronomer to any degree of involvement one wishes.

I asked Wolf what aspects of astronomy he liked the most, and he seemed to very much enjoy answering the question. He said that astronomy is a frontier. There are always new discoveries, new questions raised, always changing and growing. It is very mysterious and romantic; star-lit nights, beautiful sights to see, the same yet different. It puts things in another perspective. Daily problems and hassles seem dwarfed when looking up at the sky, wondering at all there is to see and know. The great distances, the great masses, objects so complex, so simple... The ideas are endless. And even the people who are interested in astronomy are interesting in themselves. Wolf now has many good friends he would never have known if he hadn't become involved.

As for the future, Wolf wants to be more active in the club, do more observing, and take pictures with his Zeiders-Medlock cold camera. He has a C-8 and would someday like to make one of his own. Maybe a 10" or 12" f/5. Right now he's too busy. He is thinking about changing his main income to photography. He's an expert on wedding, fashion portfolio, architecture and product illustration photography. Other interests are reading, fly fishing, model railroads, collecting knives, and restoring Pachinko machines!

I asked him when he's going to run for the Board of Directors. He laughed, said he wants to very much, but is kind of timid and needs to be pushed. He has ideas for the club and would enjoy putting them to use. Wolf, you've got my vote.

Penny Pinschmidt

Messier Marathon

Would you like to see nearly all the Messier objects in one night? It's possible, you know. Because of the positions of the 107 Messier objects (M91 and M102 are missing), it is possible to observe over 100 of these objects from dusk to dawn. The dates when the sun will be in a favorable position (hiding as few objects as possible) are from late March through mid-April. All during this time M74 and, probably, M77 will not be visible. During the beginning of this time period M72, M73, M30, and M2 would also be difficult to see. They would rise in the morning after twilight begins. During the end of this time period M79 and M33 would not be visible, as they would set in the evening before twilight ends.

In 1979 we have a new moon on March 28, so I would suggest Friday, March 30 or Saturday, March 31 as possible dates for undertaking this project. A group of us could go up to Loma Prieta - a good, low-horizon, dark-sky observing site, $\frac{1}{2}$ hour drive south of San Jose. Those wishing to participate should begin now to familiarize themselves with the Messier objects, finding as many as they can. Those wishing the all-nighter to look through other telescopes or help the observers are certainly welcome to do so. Also welcome are those who wish to see "only" 50 or so of the easier objects. More info in next month's bulletin, or call me at 356-7727.

Don Machholz

Comet Comments

Presently, the brightest known comet in the whole observable sky is an 11-12 mag. object near the Cetus-Pisces border. It is comet 1977g, also known as Periodic Comet Ashbrook-Jackson. While it might seem faint, it may well be worth the effort to try and see it. An ephemeris follows.

Comet tails: Comet discoverer Edgar Everhart conducted a study on comet discoveries in 1967. Among other things, he found that since 1840 the number of comet discoveries per year, by visual methods, has remained surprisingly consistent. The rate of new comet discoveries (visual) remains at 2.7 comets/year. Additionally, he estimates that at least 61% (204 out of 337) of the comets were found by amateurs specifically looking for comets.

Comet Ashbrook-Jackson (1977g)

1978 UT	R.A.	Dec.	Est. Mag.
Aug. 20	0h38.4m	0°03'	11.9
Aug. 30	0 35.3	0 50	11.8
Sep. 9	0 29.6	1 29	11.8
Sep. 19	0 21.9	2 02	11.9
Sep. 29	0 13.3	2 29	12.0

(From IAU Cir. 3161)

8/20/78

Don Machholz - 356-7727

Rattley Rattles On . . .

Finest Skalnate Pleso Objects - Chart V, continued

NGC RA (1950) dec Con SP:mag,size,type,dist
 7000 20 57.0 +44 08 Cyg gn:(10):120'x100':*αCyg:280pc
 H.V 37: Faint,extremely Large,diffuse nebulosity: "North America Nebula"; use very low power; easiest with binoculars & dark skies; the "Pelican Nebula", I.C. 5067-70, is off the Atlantic Coast(is not a visual object).
 7008 20 59.1 +54 21 Cyg pn:13(*13):1!4x1!1:IIb:4170pc
 H.I 192: considerably Bright, Large, Elongated in P.A. 45°±, mottled, double star attached: use moderate power; like a tiny "Owl Nebula".
 7027 21 05.1 +42 02 Cyg pn:10½(*17):0!3x0!2:VI:1100pc
 Planetary, stellar(= *8½ Mag.): use moderate and high power.
 7048 21 12.6 +46 04 Cyg pn:11½(*18):1!0x0!8:IIb:1660pc
 pretty Faint, pretty Large, diffuse, irregularly Round, very little brighter in the Middle: use moderate power.
 7086 21 29.8 +51 22 Cyg oc:9½:8'-50*:e:2880pc
 H.VI 32: Cluster, considerably Large, very Rich, pretty Compressed, stars from mag. 11 to 16: use low power.
 7092 21 30.4 +48 13 Cyg oc:5½:30'-25*:e:250pc
 M.39: Cluster, very Large, very Poor, very little Compressed, stars from mag. 7 to 10: use lowest power; easy binocular object.
 I.5146 21 51.3 +47 02 Cyg gn:(13):12'x12':*10;1700pc
 pretty Bright, very Large, irregular Figure, star of 9½ mag in the Middle: "Cacoon Nebula"; a very difficult object; use low power & a very dark sky!
 7209 22 03.2 +46 15 Lac oc:7½:20'-50*:d:1320pc
 H.VII 53: Cluster, Large, considerably Rich, pretty Compressed, stars from mag. 9 to 12: use low power; easy and fine object.
 7217 22 05.6 +31 07 Peg eg:11:2!6x2!3:Sb:12Mpc
 H.II 207: Bright, pretty Large, gradually brighter in the Middle, extremely mottled: use low and moderate power and dark skies.
 7243 22 13.2 +49 38 Lac oc:7½:20'-40*:d:790pc
 H.VIII 75: Cluster, Large, Poor, a little Compressed, stars very Large: use low power.
 7331 22 34.8 +34 10 Peg eg:9½:10!0x2!3:Sb:11½Mpc
 H.I 53: Bright, pretty Large, pretty much Elongated in P.A. 163°, suddenly much brighter in the Middle: use low and moderate powers for a view of this very rewarding galaxy; this is one that Messier should not have missed; Stephens Quintet is about a degree south and a little preceding of this galaxy.
 7380 22 44.9 +57 49 Cep oc:9:10'-50*:d:790pc
 H.VIII 77: Cluster, pretty Large, pretty Rich, a little Compressed, stars from mag. 9 to 13: use low power.
 7640 23 19.7 +40 35 And eg:11½:11!0x1!4:SBb:7Mpc
 H.II 600: considerably Faint, Large, much Elongated in P.A. 164°, very little brighter in the Middle, mottled: almost edge-on; use low power.
 7662 23 23.5 +42 14 And pn:9(*12½):0!5x0!4:IV+IIIa:550pc
 H.IV 18: !!!, Planetary or Ring, very Bright, pretty Small, Round, blue: use moderate and high powers on this very pleasing object! easy central star!
 7686 23 27.8 +48 51 And oc:8:15'-35*:d:1690pc
 H.VIII 69: Cluster, Poor, a little Compressed, stars from mag. 7 to 11: use low power.
 7789 23 54.5 +56 26 Cas oc:9½:30'-200*:e:3980pc
 H.VI 30: Cluster, very Large, very Rich, very much Compressed, stars from mag. 11 to 18: use low power; fine binocular object; moderate powers will reveal circular patterns making this cluster look like a spiral galaxy seen broad-side; located midway between ρ and σ Cassiopeiae.

Dark Skies;

David W. Rattley

rattley rattles

This is my first official President's Message for this term of office, this being my second term of office as President of the SJAA, and I would like to say that it's good to be back, I think!?!? I feel, as I am sure most of you do also, that John Rhodes did excellent job of leading the club in the previous year. As was stated at the July banquet at Michael's, John's record speaks for itself as the club increased in size from a previous level of around 70 members to more than 90, and we're off to a good start in membership this year.

My goals for the club this year is not necessarily going to be to increase the membership, thought that would not be unwelcome, but instead will be to support efforts to get the club more active and to get more participation in club's activities.

Prior to our regularly scheduled Red Cross Indoor Star Party on Saturday, September 16 there is going to be held the September board meeting of the Astronomical Association of Northern California (AANC). It will be held at the Red Cross building in Los Gatos at 5:00 P.M. I would like to encourage everyone to try to attend this one as it is being held here in order that those persons who would like to know more about who and what the AANC is all about can find out through first hand experience. Following this AANC board meeting will be our scheduled Red Cross Star Party.

Preparation for the September 23 grazing occultation expedition is progressing nicely. Contact Jim Van Nuland if you want to know more are plan to attend.

Just a reminder, the Solar Eclipse on February 29, 1979 is nearing fast, are you ready? I'm not, I've got lots to do!

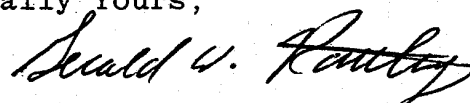
The September club meeting at the Rosicrucian Planetarium should be a fun one for me and I hope the general membership enjoys it also. At this meeting I am going to give my first Chart Talk under the star dome of the planetarium. We are also having a general slide night at this meeting, so bring any slides that you feel will be of interest to the club; i.e. new deep sky photos, planet or Moon shots, Riverside Telescope Makers Conference, astronomical vacations, or any thing else with an astronomical theme. There will be a limit of a couple of dozen slides per member.

Update to two objects included in my article on the best objects on the Skalnate Pleso Atlas of the Heavens, chart I:

NGC 40 -- The central star is easily visible in an 8-inch scope, has anyone seen it with anything smaller? Try it at the next star party!

NGC 7142 -- This one is very faint and difficult, only viewable from very dark skies!

Astronomically Yours;



SECRETARY'S LIBRARY

Cathy Pinheiro

Once again, here is this month's list of books, pamphlets, and magazines which are available to all club members. For further information in regards to the books themselves or how you go about obtaining them, call me at home any evening at 265-4824, or you can also get hold of me at one of the club meetings.

Joint Convention, Western Amateur Astronomers,
(Aug. 24-26, 1961, Long Beach, Calif.)

Rocket Development - Diary of the Space Age Pioneer by Robert Goddard

The First Book of Astronomy by Vivian Grey

The Language of Nature by David Hawkins

Leaflets from the Astronomical Society of the Pacific

Mercury, The Journal of the Astronomical Society of the Pacific

Physical Studies of Minor Planets edited by T. Gehrels

Astronomy, A Popular Handbook by Harold Jacoby

Lucretius on the Nature of the Universe translated by Ronald Latham

Consider the Heavens by Forest Ray Moulton

College Mathematics by Kaj L. Nielsen

Out of the Sky, An Introduction to Meteoritics by H.H. Nininger

This month's question of the month is "What does the Black Hole look like?" The "answers" are as follows.

"A Black Hole is like nothing I've ever seen." Jim Van Nuland

"Once you've seen it, it's too late." Ralph Lowd

"Nothing." Gerry Rattley

"It looks like the world looks to me without my contact lenses."
Denni Medlock

"I don't know. I've never seen one." Cathy Pinheiro

" " Kevin Medlock

Next month's question of the month will be "What is the speed of gravity?"

Report of August 12 General Meeting

Gerry Rattley got his first meeting as president underway with a few announcements. John Rhodes' back surgery, we think, was successful, and he left the hospital that day. Concerning future activities, brief mention was made of the San Mateo meeting September 8, the AANC board meeting September 16, and the lunar graze September 23-24. Pete Manly is submitting a grant proposal to IBM for a television camera for the club's use in public presentations, occultations, etc. Anyone with questions or suggestions for its application should see him.

For the program, we had the planetarium's current production on Stonehenge. It was very nice. After some background information on the people who constructed it, there was an explanation of what the various stone configurations represented. For instance, the 56 Aubrey holes are related to lunar eclipses.

Thanks to Rita Miram and Penny for cookies after the meeting.
Suzanne Lowd, Staff Reporter

In the past few years, new moon star parties at Freakie Peak have been more like invasions of people looking for a place to eat, drink, be merry, and crash (sometimes into telescopes). There are only a few of us long-timers who remember how the old summer, shirt-sleeved, observing-minded star parties used to be. But faith in Fremont Peak was freshly repaired at the new moon star party on August 4-5 when, on Friday night, not only was the temperature at 2 AM around the 75° mark, but Kevin and I (and Duhbe, the cat) were the only people there! Hallelujah! Clear skies, tee shirt weather, and an 18". Who could ask for more?

Of course, Saturday night saw the arrival of more people, but it was the type of gathering where everyone knew everybody else. Jack Zeiders showed up with his 10", Debbie Moore and Doug Berger observed with Debbie's refractor, Pete Arebalo brought along his girl friend and his Questar (spending equal time with both, of course), and Pete Manly brought himself and a great number of good stories. As always, the steadfast handful from Chabot was there, this time with birthday cake (mine) that was deliciously devoured at 1 AM. (Yes, there was enough for everybody. See what you missed?!) Smaller star parties are much nicer. We can only hope in the future more of them occur.

Denni Medlock

"I really don't remember what went on."

Jack Zeiders about the Aug. 19th Red Cross

"I do know where the Big Dipper is." Phil Hermsmeyer

"I guess I ain't too bright." Gerry Rattley

"We aren't all like Phil; we don't just barge in." Jack Zeiders

"Does anyone have a ladder - like about 3,000 feet tall?"

John Rhodes at the Aldebaran graze

"It wasn't a bad night - just a lousy morning."

Bob Fingerhut about the Aldebaran graze

COE STATE PARK
FROM SAN JOSE
SOUTH ON HIWAY 101
TO MORGAN HILL
TURN LEFT (EAST)
ON DUNNE AVE
FOLLOW THE SIGNS
GO TO THE END OF
DUNNE

11 MILES FROM THE
VALLEY
THE PARK IS ON THE
THIRD RIDGE

TURN UPHILL TO THE
LEFT JUST BEFORE YOU
GET TO THE BUILDINGS

THE LOCK ON THE GATE
OPENS ON 4565 (N6C4565)
PLEASE CLOSE THE GATE!
AND LOCK IT BEHIND YOU!

FREMONT PEAK STATE PARK

FROM SAN JOSE GO SOUTH ON
HIWAY 101 PAST GILROY
TAKE THE SAN JUAN BAUTISTA
EXIT (HIWAY 156)

AT THE FLASHING YELLOW WARNING
LIGHT (THE ONLY TRAFFIC LIGHT
IN TOWN) TURN RIGHT UP
THE VALLEY

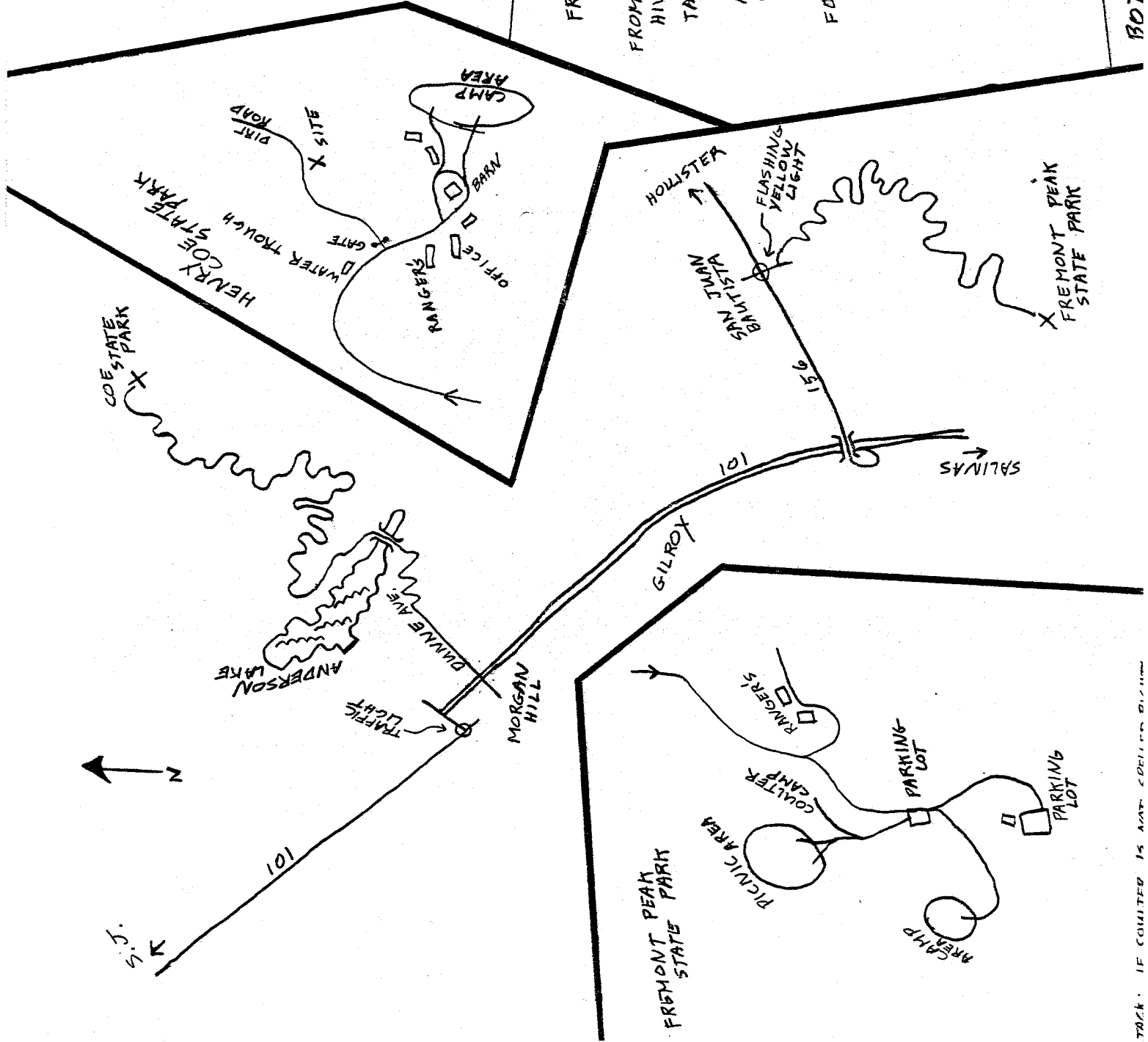
FOLLOW THE SIGNS!

YOU HAVE TO ZIG-ZAG TO
THE LEFT THE SECOND
BLOCK AFTER YOU TURN

GO TO THE END OF THAT ROAD
ABOUT 14 MILES TO THE TOP

THE SITE USED IS EITHER
COULTER CAMP FOR THE
STARR & EAS OR BEHIND
THE RANGER'S HOUSE FOR
ASTROPHOTOGRAPHY

BOTH PLACES PLEASE BE



GERRY RATTLE DREW THIS MAP
I COPIED IT
IF YOU DON'T UNDERSTAND IT
I WILL TRY TO GIVE DIRECTIONS

TO THE LOS GATOS RED CROSS
BUILDING - GO SOUTH ON
HIWAY 17 FROM SAN JOSE
TAKE THE LOS GATOS EXIT
HIGHWAY 9 TO SARATOGA
THROUGH TWO TRAFFIC LIGHTS
THEN PAST ALL THE GAS STATIONS

AS YOU START OUT OF TOWN,
YOU WILL CLIMB A SHALLOW
HILL

THE RED CROSS IS ABOUT HALF
WAY UP THE HILL ON THE RIGHT

TO SANBORN SKYLIVE CO. PARK
START AS BEFORE BUT GO PAST
THE RED CROSS 4 MILES TO
SARATOGA - TURN LEFT
AT THE TRAFFIC LIGHT (IT'S
THE ONLY TRAFFIC LIGHT IN
THE VILLAGE OF SARATOGA)
FOLLOW THE SIGNS TOWARD
BIG BASIN - HIWAY 9 ALSO
TURNS UP THE HILL HERE

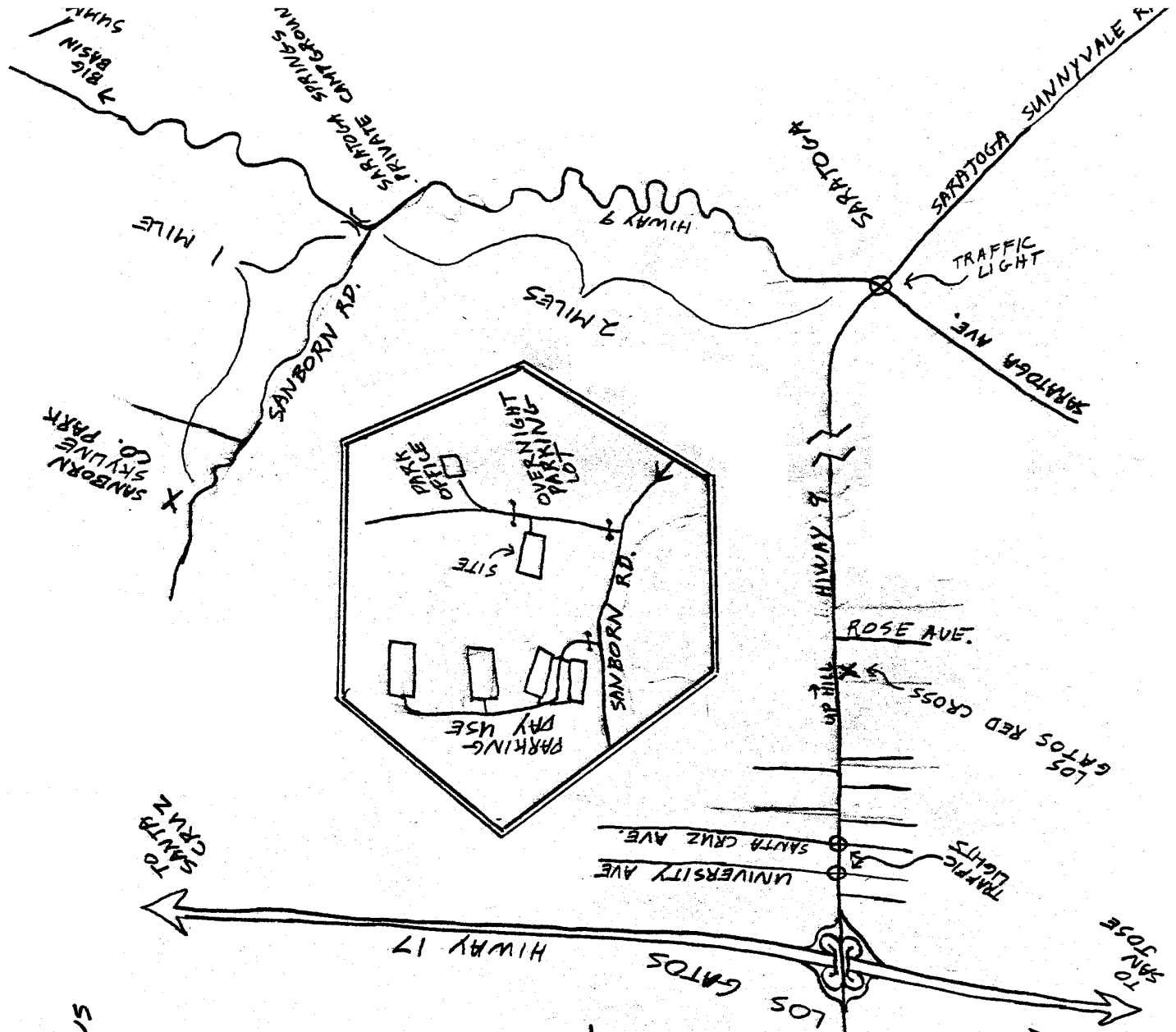
GO ABOUT 2 MILES UP THAT
ROAD AND TURN LEFT ON
SANBORN RD. AS YOU PASS
THE PRIVATE CAMPGROUND

JUST OVER ONE MILE UP SANBORN
WATCH FOR THE PARK

WE USE THE OVERNIGHT
PARKING LOT

WATCH THE SIGNS
BE CAREFUL

ED SCHELL



SAN JOSE ASTRONOMICAL ASSOCIATION, INC. - SEPTEMBER 1978

ALES, MARK ALAN	1120 Ranchero Wy #19	San Jose	95117	248-0540
AMBROSE, DAVE	1720 Walnut St	El Cerrito	94530	233-5468
AREBALO, PETER	2151-582 Oakland Rd	San Jose	95131	946-0421
BAHL, CHARLES	2966 Moorpark Av. #52	San Jose	95128	248-1220
BARRETT, RICHARD	1520 Santa Maria	San Jose	95125	264-4320
BELLEVILLE, LOGAN M	18550 Sobey Rd	Saratoga	95070	379-4989
BENASSAI, BRUNO	475 Cumulus #35	Sunnyvale	94087	733-9154
BLOECHL, WAYNE	1476 Alpine St	Santa Clara	95051	241-5532
BOWES, JOHN D	1056 Miller Ave	San Jose	95129	
BRIDGE, RALPH	10395 Judy Ave	Cupertino	95014	252-9396
BRYNER, J.W.	420 Wickert Rd	Boulder Creek	95006	338-3117
BUETTNER, DOUGLAS H	6659 Mt. Pakron Dr	San Jose	95120	997-1783
CALDWELL, ROBERT B	1590 Peacock Ave	Sunnyvale	94087	245-3762
CARLSON, BRAD	6874 Trinidad Dr	San Jose	95120	268-5825
CHERNE, EARL R	1794 Whitwood Ln #3	Campbell	95008	374-9570
CINCOTTA, JOHN	1720 Halford #332	Santa Clara	95051	
CISNEROS, EUGENE L	15840 E Alta Vista Wy	San Jose	95127	923-6800
COOK, GEORGE R	905 Seena Ave	Los Altos	94022	961-1577
COTTEN, RON	1135 Dwyer Ave	San Jose	95120	
CULP, JEFF	13638 Riverdale Ct	Saratoga	95070	867-9844
CUNHA, RON	4412 Amador Rd	Fremont	94538	797-2823
D'AMICO, AMY	1605 Tierra Buena	San Jose	95121	
DAY, BRIAN	1475 Koch Ln	San Jose	95125	266-8690
DEGRAFF, BRUCE & MARIA	7130 Point Dunes Ct	San Jose	95139	224-0972
DELANEY, JOHN	2410 Woodland Ave	San Jose	95128	296-8559
DELONG, LES	2951 Postwood Dr	San Jose	95132	263-4612
DIBBELL, FRANK M	710 Georgia St	Sunnyvale	94086	733-7208
EARHART, J PATRICK	251 Howes Ct	Los Gatos	95030	371-7131
EDWARDS, TOM	1182 Crandano Ct	Sunnyvale	94087	736-8550
FINGERHUT, BOB	340 Rio Verde Pl #4	Milpitas	95035	263-4455
FOJO, MANUEL	258 Thompson Ave	Mountain View	94040	967-0228
GIMPLE, H WILLIAM	1486 Medallion Dr	San Jose	95120	268-7967
GLASSPOOL, RICHARD	629 Catamaran #2	Foster City	94404	349-2144
GLEASON, JOHN	2655 Keystone Av #20	Santa Clara	95051	241-1058
GREGORY, DR A B	5480 Fairway Dr	San Jose	95127	258-6095
GUSTAFSON, MIKE	1515 Jarvis Ct	San Jose	95113	266-3250
HALLEY, SARA	926 Foothill Dr	San Jose	95123	227-0767
HANISCH, WOLFGANG	1815 Cleveland Ave	San Jose	95126	998-0861
HANSEN, RONALD L	10941 Miguelita Rd	San Jose	95127	258-0449
HERMSMEYER, PHIL	20900 Alves Dr	Cupertino	95014	252-5529
HERSCHKORN, JOHN	1255 Echo Valley Dr	San Jose	95120	997-0434
HOLLABAUGH, ROY	5328 Cedar Grove Cir	San Jose	95123	226-1795
INGEBRETSEN, CHARLES	865 South 8th St	San Jose	95112	294-3227
JOHNSON, JAMES W	17010 Holiday Dr	Morgan Hill	95037	779-9036
JONES, CLIFFORD D	1507 Lyle Dr	San Jose	95129	743-2398
KOLLER, DAVID V	7776 Hazelnut Pl	Newark	94560	797-8865
LO, JEFFREY	4090 Cranford Circle	San Jose	95124	377-3139
LOOS, JIM	13680 Rossmere Ct	Saratoga	95070	867-1264
LOWD, RALPH & SUZANNE	3387 Kenneth Dr	Palo Alto	94303	494-6034
MACHHOLZ, DON	34-B Fillmer Ave	Los Gatos	95030	356-7727
MARTIN, RONNIE	1310 Perralta Ct	San Jose	95120	268-0544
MCPEAK, WILLIAM L	4563 Grimsby Dr	San Jose	95130	379-2071
MEDLOCK, KEVIN & DENNI	16105 Via Paro	San Lorenzo	94580	278-8475
MEYER, ALLAN	200 E Dana B-34	Mountain View	94041	969-0716
MEYER, JACK K	1415 Lost Acre Dr	Felton	95018	335-7318

MIRAM, RITA	7764 Hazelnut Pl	Newark	94560	797-9916
MOORE, DEBBIE	5336 Harwood Rd	San Jose	95124	269-7466
MORGAN, EDMUND C	1964 Kirby Wy	San Jose	95124	377-4393
MUNGALL, THOMAS	1141 Hollyhead Ln	San Jose	95129	257-3262
NAFARRATE, ANTONIO	343 Park Hill Dr	Milpitas	95035	263-5415
NEINCHEL, NORMAN	190 Rose Ct	Campbell	95008	378-4488
OLLINS, RICHARD	2479 Amaryl Dr	San Jose	95132	259-0270
PERRY, CARLTON J	273 N King Rd	San Jose	95116	291-9122
PINHEIRO, CATHY	1787 Lancaster Dr#14	San Jose	95124	265-4824
PINSCHMIDT, PENNY	16385 Peacock Ln	Los Gatos	95030	356-4330
RATTLEY, GERALD W	185 Homestead Rd #2	Sunnyvale	94087	732-0202
RHODES, JOHN D	1205 Payne Ct	Los Altos	94022	969-2615
RICE, GARY & JACKIE	1833 Redwood Ave	Redwood City	94061	366-6705
RODGERS, RICHARD	1020 Golf Ct	Mountain View	94040	961-5458
SCHAUPP, RICHARD W	22295 Carta Blanca Dr	Cupertino	95014	732-3559
SCHELL, ED	P O Box 1345	Los Gatos	95030	356-7498
SCHMIDT, ARTHUR W	26200 Loma Prieta Wy	Los Gatos	95030	353-2853
TAMBLYN, BILL	1176 Dresden Wy	San Jose	95129	253-2278
THERKELSEN, DR ROBERT	2941 Pleasure Pt Dr	Santa Cruz	95062	475-3673
VAN NULAND, JAMES	3509 Calico Ave	San Jose	95124	371-1307
VERMILION, JAMES R	10171 Richwood Dr	Cupertino	95014	255-7367
WAKEMAN, DONALD E	1486 Blackhawk Ct	Sunnyvale	94087	245-6366
WEBSTER, LARRY	5291 Elrose Ave	San Jose	95124	267-4133
WELCH, SHERI	1044 Fleetwood Dr	San Jose	95120	268-5502
WEST, LLOYD E	5021 Cribari Vale	San Jose	95135	274-4382
WILD, NORMAN D	7557 Orange BlossomDr	San Jose	95129	252-8966
YATABE, MARK GEOFFREY	16320 Burton Rd	Los Gatos	95030	356-5229
ZEIDERS, JACK M	725 Minnesota Ave	San Jose	95125	292-0107

BULLETIN SUBSCRIBERS

CHERRINGTON, WM J	367 21st Ave	San Francisco	94121	752-9420
DIEHL, MARSHALL W	1516 Quail Ave	Sunnyvale	94087	248-9825
MANLY, PETER L	621 Cornelia Ct	Mountain View	94040	965-8357
MCGLAUFLIN, MICHAEL D	840 N Fine	Fresno	93727	251-1013
PETERSEN, JACK	1840 Yosemite Dr	Milpitas	95035	262-1457

I was not at the Henry Coe star party on August 5. From what I heard, I missed a very crowded, warm night. There were a lot of telescopes and a lot of people on that mountain top. Les DeLong, not finding space above, set up in the camping area. He spent a happy night logging Messier object after Messier object, taking time out only to sic all the drunks up the hill!

The Wednesday before, August 2, Debbie Moore, Rita Miram, and I loaded three telescopes into Debbie's trunk and took off for Coe. For the first time I had a telescope all to myself and spent until 1:00 AM discovering the heavens. Now I just gotta get my 6" going! Anyway, the weather was downright hot. Because my mind couldn't quite comprehend warm star parties yet, I did wear a sweater, even if I didn't really need it. To me, that night was one of the best star parties I've ever been to and more than made up for missing the official club event on Saturday.

Penny Pinschmidt

EDITORIAL

There are quite a few members in this club who are known to be very opinionated. Despite that, only one, Ed Schell (of course), has ever written a guest editorial. Not to mention any names, but, people like Jack Zeiders never hesitate to tell me face to face what they thought of something I wrote. If, by chance, I mention the idea of repeating what they said to me in the form of a guest editorial to be published in the Bulletin, they said no!

What is everybody afraid of? I write editorials nearly every month, and I'm still alive. Is this club just full of a lot of hot air, or will somebody actually DO something?

Penny E. Pinschmidt

