

SAN MATEO AMATEUR ASTRONOMERS, INC.
MONTHLY BULLETIN
NOVEMBER, 1971

PRES: Dave Erickson 269-4838 SEC: Jerry Rattley 262-5350
VICE-PRES: Tom Halliday 296-3169 TREAS: Emmet Murphy 287-6378

NOVEMBER 5 - REGULAR MEETING - EQUIPMENT NIGHT

DATE & TIME: November 5, 8 p.m.
LOCATION: Community Bank, 111 W. St. John Street, 2nd floor
Executive Conference Room (enter bank from the rear)

Equipment night is getting to be an annual event, usually in November. Plan to bring your telescope, eye pieces, binoculars, maps, etc. and plan to talk about them. Do you have any items for sale or swap??? Bring them along too.. Bring a friend or new member to the meeting. Plan to exchange ideas.

NOVEMBER 12 - PLANNING MEETING

This month's planning meeting will be at Norman Wild's, 7557 Orange Blossom Drive, San Jose, beginning at 8 p.m. Call 252-8966 for directions.

NOVEMBER 13 & 20 - STARPARTIES

There will be starparties on November 13 and November 20 at SJAA Observatory Site beginning at dusk if the weather cooperates. Call Dave at 269-4838 for specifics.

DECEMBER 3 - MORRISON LECTURE

SAVE THIS DATE NOW! Dr. David Cudaback of the Astronomy Dept. of UC, Berkeley is scheduled to speak on "High Altitude Astronomy". The lecture will be given at West Valley College, Saratoga Campus, with a planetarium show afterwards. There will be no regular meeting in December as this will take its place.

The Morrison Lecture is provided through an endowment fund of the Astronomical Society of the Pacific, with the stipulation that this event must be openly advertized and publicized, AND WELL-ATTENDED. We will need assistance from each and every member to not only attend but to also help in publicizing the event. More details will be forthcoming.

FREMONT PEAK IN OCTOBER

Due to threatening weather (light rain), no one attended the Fremont Peak event October 16. If it is rescheduled, we will let you know at next meeting.

UPCOMING EVENTS (In addition
to page 1)

December 10 - planning meeting

December 18 - Starparty at SJAA site

January 7 - regular meeting, talk on double stars by Jerry Rattley
and Pluto by Greg Nichols

January 14 - planning meeting

February 4 - regular meeting, talk on "Eye and Vision" by Norman
Wild and binaries by Jerry Rattley

February 11 - planning meeting

March 4 - regular meeting, talk on the 8-day week and the calendar
by Ralph Bridge, and a talk on Spectroscopy and Optics

FOR SALE: Minolta slide projector, autochanger and blower, MINI-35TII,
all for \$45.00. Phone Dr. Gregory, 258-6095, if
interested.

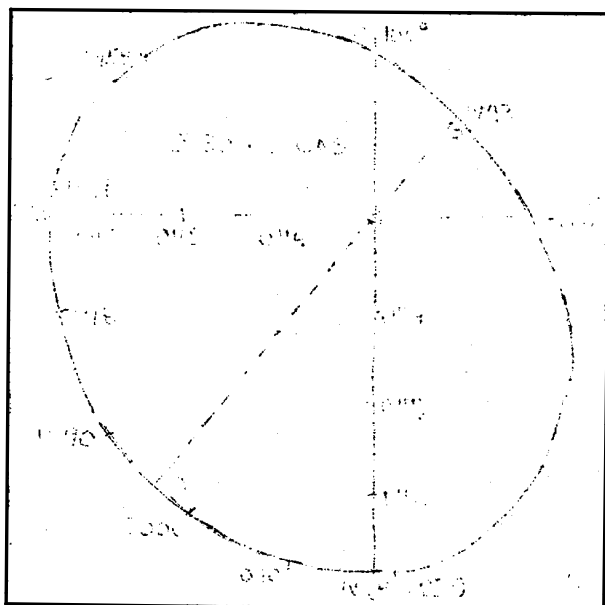
THAT'S ALL FOLKS!

ORBITS OF VISUAL BINARY STARS--part 1

contributed by Jerry Rattley

Elements for the orbits as listed in the Skalnate Pleso Atlas Catalogue

star name	1950 pos	P	T	e	a	i	Ω	λ	Δ	calculator	
	RA dec	yrs			"	°	°	°	l-y	name	date
23062 Cas	00 04 458 09	107	1943	.45	1.43	44	99	39	62	P. Baize	1957
48 Cas	01 58 470 40	60	1904	.35	0.64	21	9	58	116	P. Muller	1949
23050 And	23 57 433 27	314	1877	.37	5.09	63	192	19	102	Franz	1955



Struve 3062 (ADS 61); easily located just south of Beta Cassiopeiae. Do not confuse it with Struve 3057, a nearby double with a similar appearance.

Both components are yellow, spectral class G, and have magnitudes of 6.5 and 7.3. The distance is slowly increasing and the motion is direct. Apastron is due in 1996, but greatest separation, 1"56, will not occur until 2015. The next minimum, 0"6, is not due till 2050.

At present this double is a good test for a 4-inch telescope and is easy with a 6-inch.

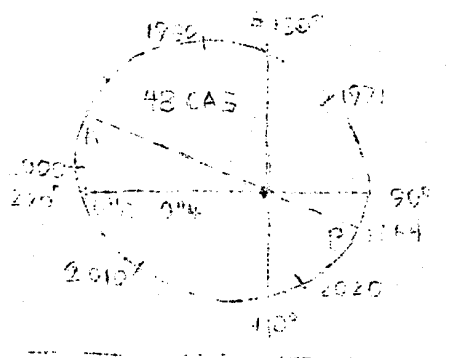
Ephemeris:	1985	298°	1"43
1971	268°	1"36	1990 310 1.46
1975	277	1.39	1995 320 1.49
1980	287	1.41	2000 329 1.52

48 Cassiopeiae (ADS 1598); located north of Epsilon Cassiopeiae, this rapid binary is a difficult object for an 8-inch, but should be easy for a 10-inch aperture.

The 4.8 and 6.5 magnitude components are white and grayish, respectively, both having spectra of A6. The distance is increasing to 0"86 in 1994 when apastron will be passed.

Ephemeris:

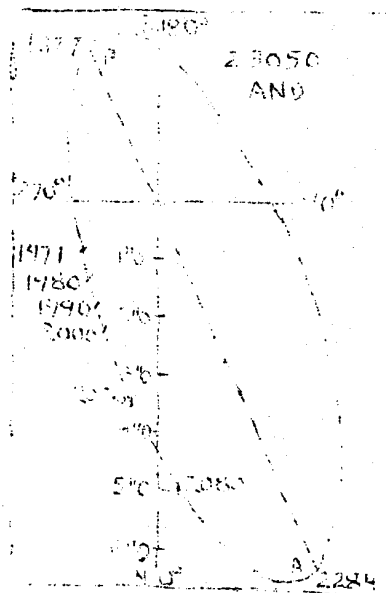
1971	148°	0"48
1975	173	0.53
1980	203	0.72
1985	220	0.79
1990	235	0.86



1995	251°	0"86
2000	263	0.72

Struve 3050 (ADS 17149); located in Andromeda just north-west of Alpheratz, this fine binary has components of magnitudes 6.5 and 6.7, both G-type yellow stars. Morton's is in error about this star as both the distance and the P.A. are increasing. At present this star is an excellent test for a 3-inch, and by the year 2000, should be easily split by a 2.4-inch. This binary has two maxima and two minima during each revolution. The first minima was recently passed, and the first maxima should be passed along with the apastron in 2234.

Ephemeris:	1971	302°	1"55	1990	328°	2"05
	1980	316	1.76	2000	336	2.38



SAN JOSE AMATEUR ASTRONOMERS, INC.
MEMBERSHIP LIST
AUGUST 29, 1971

<u>SAVE</u>		<u>SAVE</u> FOR FUTURE REFERENCE
Ambrose, Dave	1755 El Codo Way, SJ 95124	269-8262
Barrett, Richard	1520 Santa Maris, SJ 95125	264-4320
Bell, Trudy E.	3660 Lindenwood Dr, SJ 95117	244-1096
Beninato, Joseph Jr.	1599 Edmond Ct, SJ 95125	264-5838
Bridge, Ralph	10395 Judy Ave, Cupertino 95014	252-9396
Brisko, William	1623 Jupiter Dr, Milpitas 95035	262-4184
Caldwell, Robert	1590 Peacock Ave, Sunnyvale 94087	245-3762
Chapman, Randy	1650 Rocky Mountain Dr, Milpitas 95035	263-1943
Cooley, June	1648 Fairorchard Ave, SJ 95125	265-0594
Dart, Larry	1530 Cross Way, SJ 95125	295-0969
Day, Brian	1475 Koch Lane, SJ 95125	266-8690
Day, Rick	1441 Pinehurst Dr, SJ 95118	264-9720
Delaney, John	2410 Woodland Ave, SJ 95128	296-8559
Donahue, Brian	1490 Fallon Rd, Hollister 95023	637-5798
Drinkwater, Fred	19977 Merribrook Dr, Saratoga 95070	867-4259
Erickson, Dave	4112 Camden Ave, SJ 95124	269-4838
Fisher, Chris	1452 Floyd Ave, Sunnyvale 94087	245-4868
Frantz, Joel	3297 Walton Way, SJ 95117	248-3680
Fromm, Jacob E.	1108 Allston Way, SJ 95120	265-0382
Gilbreth, Gary	10228 Palo Vista Rd, Cupertino	252-9054
Glasspool, Richard	5837 Badger Ct, Castro Valley 94546	886-8843
Gregory, Dr. A.B.	5480 Fairway Dr, SJ 95127	258-6095
Halliday, Thomas	489 S. Genevieve Ln, SJ 95128	296-3169
Kendall, Weslee	1307 Carrie Lee Way, SJ 95118	266-6730
Kidwell, Gary	P.O. Box, Holy City, Cal. 95026	

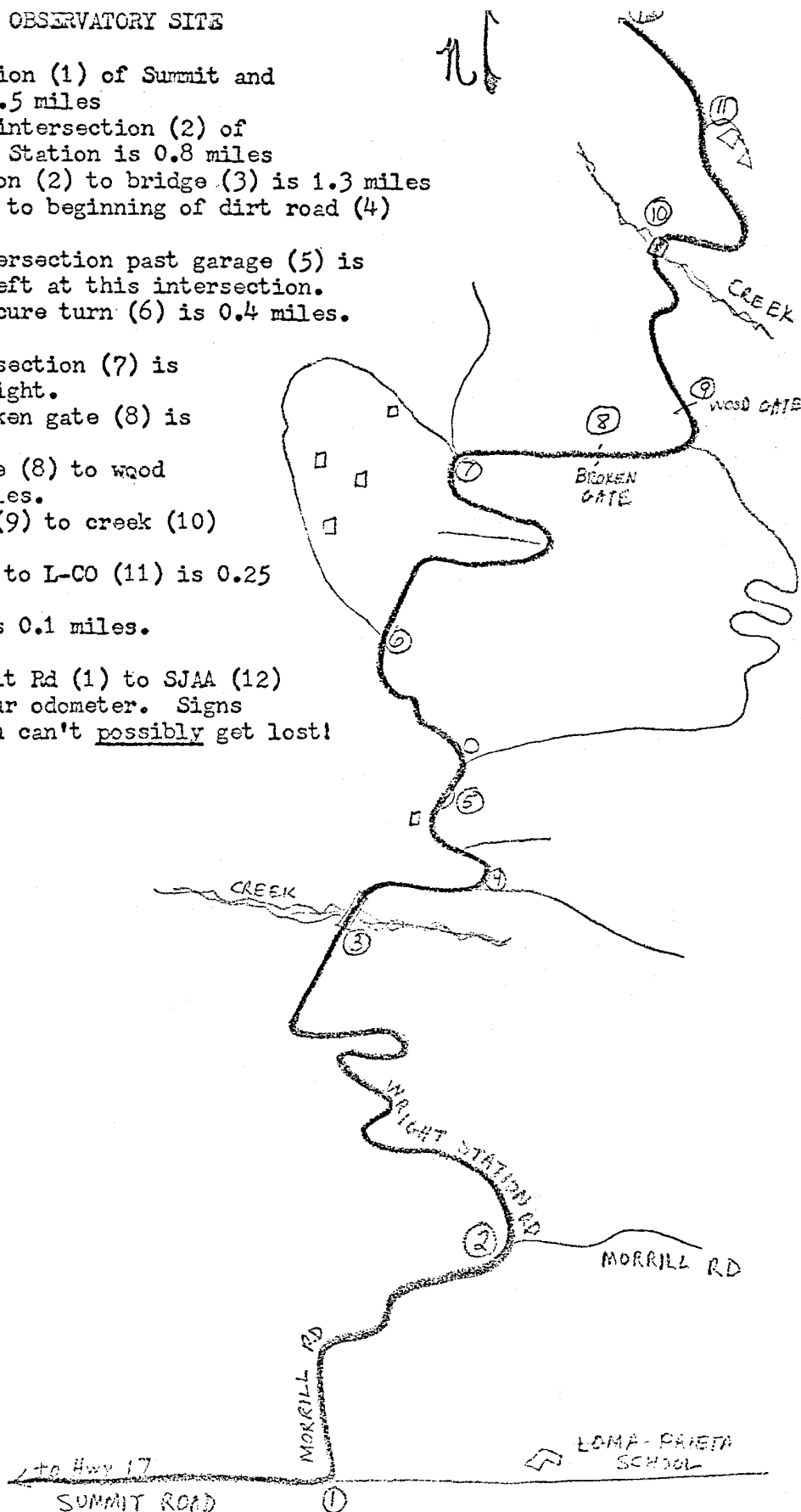
MEMBERSHIP LIST (PAGE 2)

Knapp, Greg	471 McKendrie St, SJ 95110	286-0933
Krumm, Walter J.	2415 Old Pacific Highway, Talent, Oregon	97540
Kruse, Steve	1247 Washoe Dr, SJ 95120	264-6346
Lesyna, Larry	6487 Little Falls Dr, San Jose	95120 269-4925
Leu, Dwight	20070 Edinburgh Dr, Saratoga	95070 867-0533
Llewellyn, John	2360 Richland Ave, SJ 95125	269-5955
Magalhaes, Julio	25 Grove St, Los Gatos 95030	354-1391
Maher, Brian	1254 Washoe Dr, SJ 95120	269-8309
Martin, John	4970 Bel Escou Dr, SJ 95124	377-5037
Merritt, David	1211 Becket Dr, SJ 95121	225-5460
Murphy, J. Emmet	65 South 9th, Apt 3, SJ 95112	287-6378
Nafarrate, Antonio	343 Parkfield Hill Dr, Mil 95035 302 Burning Tree Dr, SJ 95119	263-5415 225-3873
Nelson, Keith	19886 Bonnie Ridge Way, Saratoga	95070 867-1749
Nickols, Greg	3567 Ensalmio, SJ 95118	264-7724
Noel, Donald	6288 McAbee Rd, SJ 95120	268-8624
Ogren, Vern	2931 Aulin Dr, SJ 95125	265-8344
Parks, Edward Jr.	1047 Victora St, Hollister	95023 637-2673
Pollock, Estella	P.O. Box 3369, West Sedona, Arizona	86340
Rattley, Jerry	493 S. Temple Dr, Milpitas	95035 262-8800
Schad, Jerry	1180 Denise Wy, SJ 95125	266-7652
Schaupp, Richard	22295 Carta Blanca St, Cupertino	95014 732-3559
Schoendorf, Walter Jr.	1741 Laurelwood Dr, SJ 95125	269-2764
Smith, Bruce	906 Burbank Dr, Apt 21, Santa Clara	244-6769
Smith, Tim	2455 Westgate Ave, SJ 95125	269-9159
Summers, Don	2489 Sunny Vista Dr, SJ 95128	296-1766
Szudy, Michael	19960 Merribrook Dr, Saratoga	95070 867-4038
Teays, Terry	2699 Sherlock Dr, SJ 95121	225-9047
Wild, Norman	7557 Orange Blossom Dr, SJ 95129	252-8966
Winchester, Carl	2498 Westgate Ave, SJ 95125	269-2083
Winner, W.L.	1081 Milky Way, Cupertino	95014 253-5703

REVISED MAP* TO THE SJAA OBSERVATORY SITE

From Hwy 17 to intersection (1) of Summit and Morrill Roads is 2.5 miles
 Distance from Summit to intersection (2) of Morrill and Wright Station is 0.8 miles
 Distance from intersection (2) to bridge (3) is 1.3 miles
 Distance from bridge (3) to beginning of dirt road (4) is 0.1 miles
 Distance from (4) to intersection past garage (5) is 0.2 miles. Turn left at this intersection.
 Distance from (5) to obscure turn (6) is 0.4 miles. Turn right here.
 Distance from (6) to trisection (7) is 0.3 miles. Keep right.
 Distance from (7) to broken gate (8) is 0.2 miles.
 Distance from broken gate (8) to wood gate (9) is 0.1 miles.
 Distance from wood gate (9) to creek (10) is 0.4 miles.
 Distance from creek (10) to L-CO (11) is 0.25 miles.
 From L-CO (11) to SJAA is 0.1 miles.

Total distance from Summit Rd (1) to SJAA (12) is 6.65 miles. Check your odometer. Signs are posted en route. You can't possibly get lost!



*Appreciate the work that went into this map! All the distances were measured by Rich Kittler and Dave Erickson in the latter's Datsun pickup on 3 July, 1971.