

January
2008



OBSERVER

January Meeting – Pete Kron from Astronomics

January 25, 2008 7:00PM

TCC Metro Campus - Phillips Auditorium
Building 2 9th and Cincinnati

PRESIDENT'S MESSAGE

By Tamara Green

It's a new year, Boys and Girls! I wish all of y'all a happy 2008!

We have a lot to look forward to this year, beginning with our January 2008 meeting to be held at TCC Metro Campus, Phillips Building Auditorium, on Friday, January 25 at 7:00 PM. Our guest speaker will be Pete Kron from Astronomics. He will be bringing the latest in Astronomy goodies and giving a presentation on them, so whether you come with your checkbooks or just to dream and drool a little, this promises to be an exciting presentation.

Astronomics is one of the leading Astronomy equipment and telescope dealers in the nation, with ads appearing monthly in publications such as Sky and Telescope Magazine. I hope all of you will come and enjoy this presentation.

There will be a total lunar eclipse on Wednesday, February 20th. First umbral contact is at 7:43 PM. Totality begins at 9:01 PM and ends at 9:55 PM. Last contact occurs at 11:08 PM. All times are given in Central Standard Time. If you get a chance to see this eclipse, DO, because there will not be another one here until December of 2010!

And, there is no better place to view this exciting phenomenon than our first big public event of the year, to be held at the Tulsa Air and Space Museum on February 20. I know it's in the middle of the week, but it will be well worth it, considering the length of time until the next total lunar eclipse visible in our area will be. I call this event "Dark Shadows II", since it occurs almost one year after our previous "Dark Shadows" event with TASM, held last March. Those who attended last year can attest to how successful and fun the event was. I am sure this one will be just as enjoyable and successful as its predecessor. Anyone who wishes to come out and set up scopes will be very much appreciated. As always, the more volunteers we have on hand to share this event with our communities, the merrier! More information on this event will be coming soon.

Our annual ACT/TUVA Messier Marathon will be held again at TUVA this year, scheduled for the weekend of April 5-6. This is always a fun challenge for those who are up to it. Are you?? However, please keep in mind that this will be an ALL-NIGHT event, starting at dusk and ending at dawn, and even in Springtime the night air can become quite chilly. With this in mind, this is not an event for small children (or wusses). In past years, there has been a pot-luck dinner before the marathon begins, and if our always gracious and wonderful hosts, Ron and Maura agree to keep with this tradition, that will be a nice beginning to a fun-filled night! So, if this is part of the festivities, and you wish to bring a dish to share, you are certainly welcome to do so. At this time, I do not yet have any information on whether or not there will be a caravan to the site, but I should find out for sure when it gets closer to time for the event, and more info will be coming. So mark your calendars and come on out to see how many Messier objects you can find!

And of course, don't forget our star parties! Our first one of 2008 will be on Friday, Jan. 11 at our observatory, with Saturday, Jan. 12 as the back-up night. For those of you who are new, especially if you have a new scope you are not used to yet, please feel welcome to set up next to any experienced club member, or on the center pad on the field. We will be more than happy to assist you in the workings of your scope and introduce you to the wonders of the night sky.

Hope to see you all there! As our Secretary Teresa said to me in a recent email, Let's have fun this year!

I look forward to seeing you all and clear skies!

Tamara

Lands Tidbits – by *John Land* Jan 25, 2008

Due to the Ice Storm I still have some Royal Canadian Handbooks and ten 2008 Astronomy Calendars for 2008. Those not already prepaid will be available at the meeting.

Welcome Recent New Members: Bonnie Nabors, Sean Bingham, Sofia Aran, John Bennett, Sue Wright

Our membership rates for 2007 – 2008 will be as follows.

Adults - \$ 35 per year includes Astronomical League Membership

Sr. Adult discount \$25 per year for those 65 or older includes Astronomical League Membership

Students \$ 15 without League membership.

Students \$ 20 **with League membership.**

The regular membership allows all members in the family to participate in club events but only ONE voting membership and one Astronomical League membership.

If an **additional member of the family** would like to join with voting rights the additional cost is \$15.

Additional League memberships within a family are \$ 5 each.

Magazine Subscriptions: If your magazines are coming up for renewal, try to **save the mailing label** or renewal form you get in the mail. Do NOT mail renewals back to the magazine!

To get the club discount you must go through the club group rate.

Astronomy is \$ 34 for 1 year or \$ 60 for 2 years. www.astronomy.com

Sky & Telescope is \$33 / yr www.skyandtelescope.com

Sky and Telescope also offers a 10% discount on their products.

Note: You may **renew** your **Sky & Telescope subscription** directly with out having to mail in the subscriptions to the club. **NEW SUBSCRIPTIONS must still be sent to the club treasurer. Forms are available on the website.**

We now have an automated on line registration form on the website for new AND renewal memberships plus magazine subscriptions. You simply type in your information and hit send to submit the information.

<http://www.astrotulsa.com/Club/join.asp>

You can then **print a copy of the form and mail in your check.**

Astronomy Club of Tulsa - 25209 E 62nd St – Broken Arrow, OK 74014

Address Corrections- Email changes – Questions:

You may forward questions to the club by going to our club website and Fill out an online form or just click on John Land and send an email. Please leave a clear subject line and message with your name, phone number, your question – along with email



The Astronomy Club of Tulsa and Tulsa Air and Space Museum & Planetarium
Present

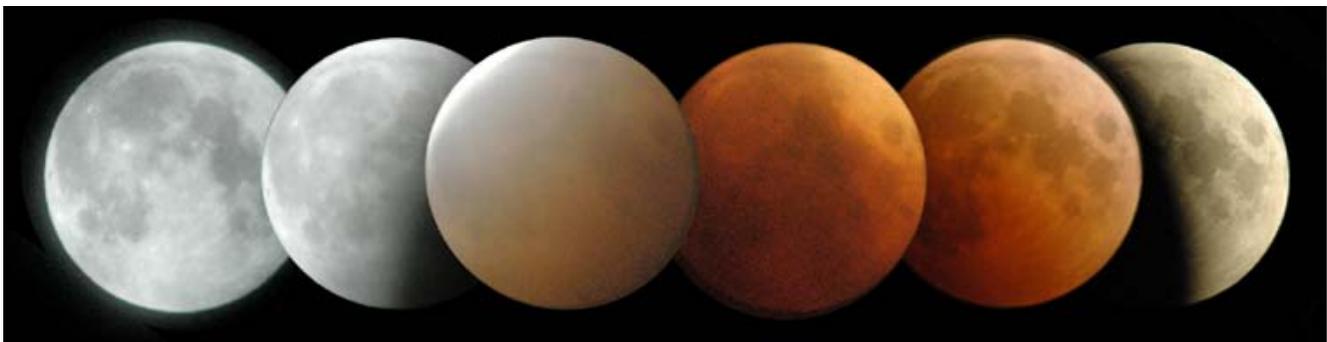
DARK SHADOWS II, A viewing of the Total Lunar Eclipse

Wednesday, February 20, 2008

6:30 PM – 10:00 PM

Tulsa Air and Space Museum

3624 N 71st St., (Just East of the Tulsa Zoo Entrance on 36th St. N.)



The Astronomy Club of Tulsa and Tulsa Air and Space Museum invite you for an evening of viewing the spectacular total lunar eclipse and other night sky wonders through telescopes. TASM will present short versions of their popular planetarium shows as well, so bring your families for an unforgettable evening!

Admission to the eclipse viewing is free, but any donations to the Astronomy Club of Tulsa will be appreciated. Prices for the planetarium shows are \$3 for ages 4 and up, under 4 free if sitting on a parent or other adult guardian's lap.

For more information, go to www.astrotulsa.com or www.tulsaairandspacemuseum.com

Driving Directions: www.tulsaairandspacemuseum.com/visitor.asp

**Astronomy Club of Tulsa
Expense Summary 2007**

Dec 31, 2007
Treasurer - *John Land*

Regular Club Income

New Memberships	43 New Members	1,205.00	
Renewal Memberships	79 renewals	2,645.00	
Bank Interest on Savings		31.79	
Observatory Donations		492.00	
Lunar Eclipse donations		70.13	
Adams Ranch net event		65.72	
Magazines & Sales		-98.46	
CaféPress	Club logo items	26.50	
Total 2007 Income			4,437.68

2007 Major Expenses

Club Operations		1,419.12	
Observatory		2,842.11	
	Total 2007 Expenses		4,261.23
	Club Income minus Expenses		176.45

Capital Improvements to Observatory

Motel Style Heat / AC Unit & parts	1,777.00
Attic Insulation	390.30
Total Cost	2,167.30

Total Expenditures minus Total Income **-1,990.85**

Expenses

Astro League dues 07-08 - 130 AL memberships	660.00
Club Meeting costs -- Guest Speakers Etc.	380.91
News Letter & Postage	242.58
AstroTulsa Web Site	41.25
Misc Costs	62.38
Dues refunds over paid etc.	32.00
Club Operation Expenses	1,419.12

Product Orders Paid in Advance by Club members -

	Received	Paid out
Astronomy Magazine Subscriptions	938.00	938.00
Sky & Telescope	1,456.00	1,451.80
Night Sky mag discontinued - refunds	36.00	90.00
Astronomy Wall Calendars	436.00	412.46
Astronomy Wall Calendars left over		
16 Canadian Observing Handbooks	215.00	287.20
net Expense over Cost	-98.46	3,081.00
		3,179.46

Due to Dec Ice storm Some Calendars and Handbooks will be paid in 2008

Observatory Operation
Costs

Annual Fee	Liability Insurance	750.00	average cost	
	Phone	155.62	12.97	/mo
	Electricity	314.43	26.20	/mo
\$413 burst pipes Jan ice storm	Water	550.55	45.88	/mo
Observatory Maintance & Repairs		1,071.51	for 2007 yr	
	Observatory Total cost	2,842.11	236.84	/mo
Minus Observatory Donations		-492.00		
	Net Observatory Costs	2,350.11	195.84	/mo

Annual Report of Accounts	Dec 31-07	Dec 29-06	Dec 31-05
1st Nat BA - Checking	1,043.80	645.14	1,266.47
1st Nat BA - Savings	1,889.19	4,367.40	2,114.41
Total Liquid Assets	2,932.99	5,012.54	3,380.88

Club Investment Accounts

AG Edwards Accounts	Dec 31-2007		Dec 31-2006		Dec 31-2005
Cash Balance	4.88		4.88		4.88
Franklin Income Fund	9,725.44	at \$ 2.60 / share	9,320.07	at \$ 2.68 / share	3,167.72
				7-21-06 bought \$5000 of Franklin @ \$ 2.50	
American Balanced Fund	2,573.52	at \$ 19.31 / share	2,414.24	at \$ 19.02 / share	2,159.32
Washington Mutual Inv Fund	2,652.02	at \$ 33.63 / share	2,550.70	at \$ 34.86 / share	2,160.83
Total Club investments	14,955.86		14,289.89		7,492.75

2007 AG Edwards reported dividends	1,024.43	
Net Increase of Investments accounts	665.97	4.66 % gain

Investments gain

Franklin Income fund	405.37	0.04
American Balanced Fund	159.28	0.07
Washington Mutual Inv Fund	101.32	0.04

EQUIPMENT FOR SALE

Telescopes and Accessories

Free - Low profile German Equatorial mount suitable for a 6 inch or 8 inch telescopes. Also has a motor RA drive.

Free - Complete collection of Astronomy Magazines from 1976 to 1999. Neatly tied in bundles by year. Also have some individual years of Sky and Telescope. They have been stored indoors and are in excellent shape. If you don't save them they're going to the recycle bins.

For Sale - \$100 - new 10 inch f 7 mirror in a mirror cell with 2 inch diagonal mirror and 2 inch helical focuser. Would make a great Dobsonian kit for someone willing to make a truss Dob out of it.

My garage is overflowing with stuff I don't use much anymore. If you can make some use of these things you are welcome to them.

John Land (918) 357-1759 astroclubbiz@valornet.com

Meade 10" LX50

The telescope is in perfect condition with tripod & superwedge and carrying case. Also included Filter set 1: #12(yellow), #23A(red), #58(green), #80A(Blue) and a Meade MD 96 1.25 Moon filter; Meade Superplossl 32mm multi-coated eye piece; Meade 2X Teleneegative Amplifier; and Meade Super Plossl 26mm Multi-coated. Asking \$1200 OBO

Annie Guinn (918) 786-9810 cabinhome@earthlink.net

Meade 8" LXD300

Meade Model 203SC (203 mm) Schmidt-Cassegrain 8' - F-10 scope
Meade Series 3000 Plossl 9.5mm lens
Meade Super Plossl 26mm lens
6x30mm spotting scope
LXDLXD 300 Equatorial Mount and Tripod with counter weights

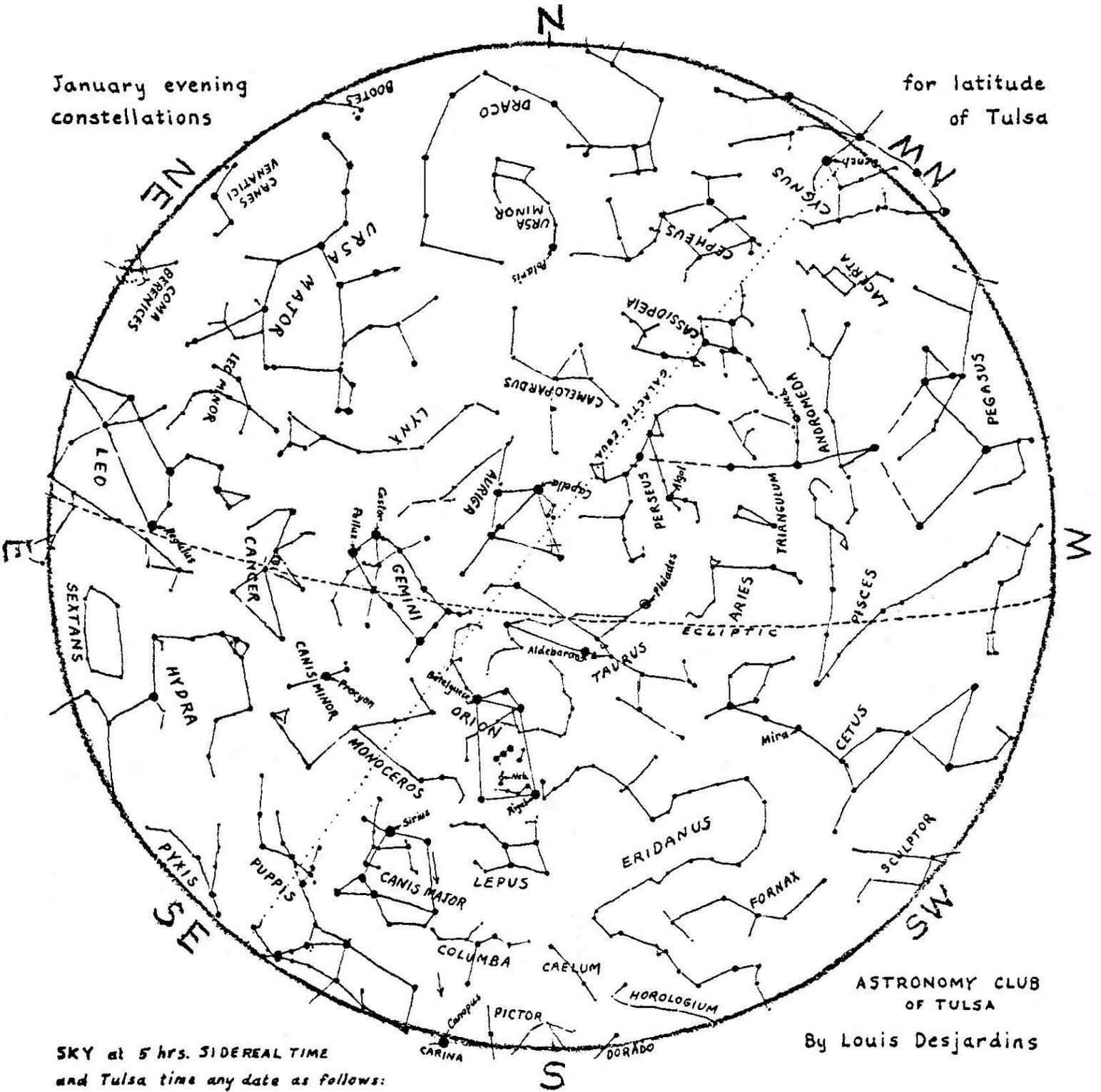
\$575 or make reasonable offer

Debbie Walters scriptdeb@hotmail.com



January evening
constellations

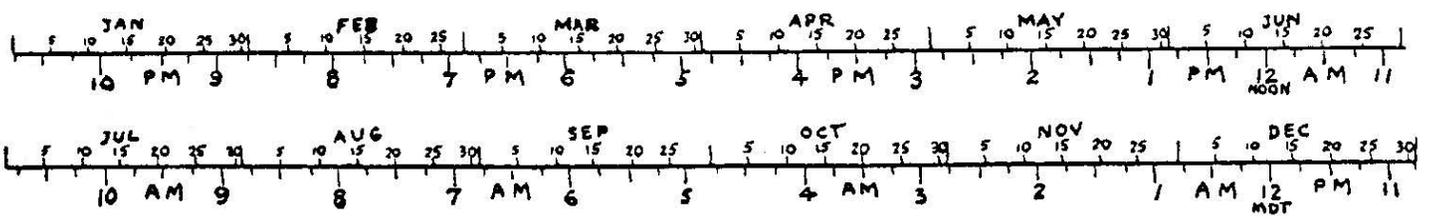
for latitude
of Tulsa



ASTRONOMY CLUB
OF TULSA

By Louis Desjardins

SKY at 5 hrs. SIDEREAL TIME
and Tulsa time any date as follows:



Thanks to Jim Miller for scanning the original map.

CLUB OFFICERS

POSITION	NAME	PHONE
President	Tamara Green	918-851-1213
Vice-President	Tom McDonough	918-665-1853
Treasurer	John Land	918-357-1759
Secretary	Teresa Kincannon	918-637-1477

BOARD MEMBERS AT LARGE

NAME	PHONE
Ann Bruun	918-834-0757
Steve Chapman	918-342-1643
Rod Gallagher	918-369-3827
Owen Green	918-851-1213
Jim Miller	918-627-4551
Richie Shroff	918-835-3565
Bill Steen	918-251-3062
Tony White	918-258-1221

APPOINTED STAFF

POSITION	NAME	PHONE
RMCC Facility Manager	Craig Davis	918-252-1781
Membership Chairman	John Land	918-357-1759
Observing Chairman	David Stine	918-834-1310
New Members	Tom McDonough	918-665-1853
Observatory Director	Teresa Kincannon	918-637-1477
Webmaster	Richard Alford	918-855-9986
Newsletter Editor	Tom McDonough	918-665-1853
Night Sky Network	Teresa Kincannon	918-637-1477

MEMBERSHIP INFORMATION

Astronomy Club of Tulsa membership (\$35/year) includes membership in the Astronomical League and subscription to ACT's "Observer" and AL's "Reflector". "Astronomy" (\$34/year) and "Sky and Telescope" (\$33/year) are also available through the club. For more information contact John Land at 918-357-1759. Permission is hereby granted to reprint from this publication provided credit is given to the original author and the Astronomy Club of Tulsa Observer is identified as the source.

The Astronomy Club of Tulsa is a member of the Astronomical League and the Night Sky Network



<http://www.astroleague.org>

<http://nightsky.jpl.nasa.gov>

ACT welcomes your questions, suggestions, comments, and submissions for publication.

Please send all inquiries to Newsletter@astrotulsa.com