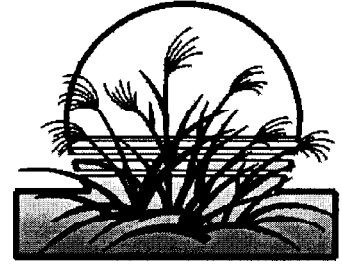




NEWSLETTER
TWIN CITIES CHAPTER
AMERICAN METEOROLOGICAL
SOCIETY
November 2000 Vol. 22 No. 3



The November meeting of the Twin Cities Chapter of the AMS will be held at 7pm Thursday, November 16 at the Science Museum of Minnesota, in St. Paul. Members and a guest can obtain free passes to tour the Museum anytime after 5:30pm that evening. For directions to the Science Museum of Minnesota, see page 2. Members and potential members are invited to attend.



Featured Speakers: J. Newlin, Dr. William Jasperson

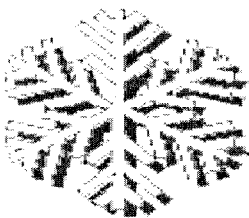
"Developing weather and climate exhibits for Museum audiences"

J. Newlin is Director of Physical Sciences & Technology at the Science Museum of Minnesota. He will talk about the process for developing physical interactive weather exhibits and programs for science museums. Dr. William Jasperson is Director of the Center for Atmospheric and Space Sciences at Augsburg College. Dr. Jasperson will talk about the process for developing computer interactive weather models for use in museum settings and in school classrooms. Come early and tour the Science Museum free of charge, paying special attention to the exhibits in the

Experiment Gallery on level 3. Our meeting will begin at 7pm on Level 2, rooms 5 and 6. We thank the Science Museum of Minnesota for hosting what promises to be a unique and interesting meeting.

Member of the month

Mary Beth Howard is our featured chapter member this month. She was born in Green Bay, Wisconsin, and inherited her love for weather from her grandfather. Influenced by the 1974 Oshkosh tornado, Mary began taking weather observations with her own Capricorn weather station. Mary went on to graduate from the University of Wisconsin Green Bay with a B.S. in Psychology and minors in both Human Development and Earth Science. After spending two years at Family Services Association helping juvenile delinquents, and six years at Opportunity Partners helping mentally ill and mentally challenged people, Mary decided to finally follow her heart. After receiving her NWS Certificate of Authority to take weather observations, Mary began working in 1997 for Weather One corporation as a weather observer at Twin Cities International Airport. Mary now works full time for Simtek Corporation as a medical records technician, while also enjoying her part-time duties as a weather observer at Flying Cloud Airport. Mary has accumulated 40 credits in Earth Science/Meteorology from coursework at UWGB, Mississippi State, and Portland State. She is a member of the Twin Cities AMS and National AMS, and the NWA, and also serves as a storm spotter for Dakota county. She looks forward to taking some upper-level Meteorology classes via correspondence and hopes to work in marine or severe storm forecasting, or in another area such as broadcasting, consulting, teaching or severe weather awareness.



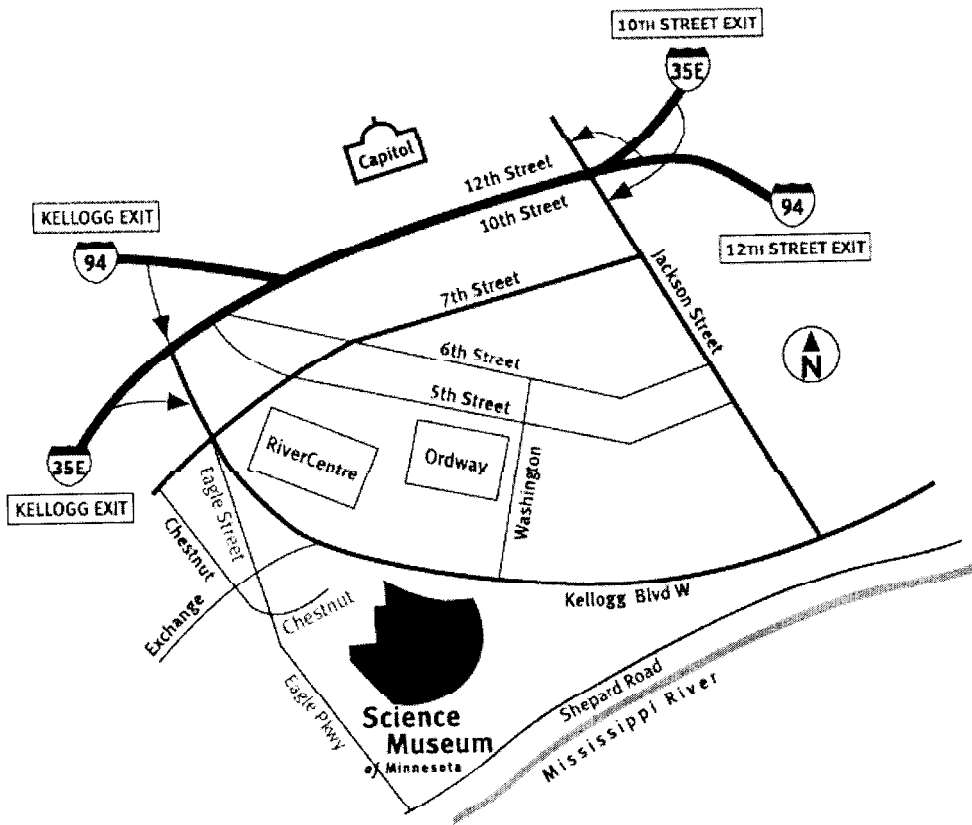
Chapter notes- by Acting Chairperson Ron Trendera

We've already seen our first snowflakes, and some forecasters are predicted a near-normal snow season. That should bring smiles to the faces of kids with sleds and adults with snow-plowing services. Our paid membership level is about normal for this point in our meeting schedule, and we thank all who have already submitted their annual dues. Those who would like to send in their \$10 annual membership check

should mail it to our Treasurer, Mary Howard. Make the check out to Twin Cities AMS, (continued page 2)

and mail it to 3908 Beau De Rue, Apt. 111, Eagan MN 55122. Our next newsletter will only be mailed to members from whom we have received annual dues. Your continued financial support of the Twin Cities AMS Chapter is greatly appreciated. I hope you can attend this month's meeting. It is a unique venue and a very interesting meeting topic. You may want to bring along a science teacher or someone you know who has a keen interest in weather or climate. A bonus this month is the invitation to tour the Science Museum free of charge from 5:30pm until our meeting at 7pm. If you know of a member who lives near you, this may be a great time to car pool into St. Paul. Because of our busy holiday schedules, there will be no meeting or newsletter in December. The January meeting will likely take place on Thursday, January 18...details in the January newsletter. To help prepare you for the coming year, we've included a 2001 sunrise/sunset table on page three.

The November meeting of the Twin Cities AMS will be held at 7pm on Thursday, November 16 at the Science Museum of Minnesota, in St. Paul. The meeting is on Level 2, rooms 5 and 6. Free exhibit passes can be obtained after 5:30pm at the Information Booth.



Directions to Science Museum parking ramp.

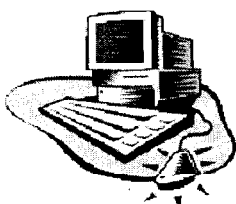
East on I-94: take the Kellogg Boulevard exit. Go right and follow Kellogg Boulevard to the upper level parking ramp.

West on I-94: take the 12th Street exit and follow 12th to Jackson Street. Turn left and go south to Kellogg Boulevard. Turn right onto Kellogg and continue six blocks to the parking ramp entrance (just before the museum, on your left).

North on 35-E: take the Kellogg Boulevard exit. Go right and follow Kellogg Boulevard to the upper level parking ramp.

There is also a parking ramp at Shepard and Chestnut that costs about \$2 for evening use, or limited street parking may also be available.

AMS the WWW



Thanks again to Kurt Scholz and Doug Dokken of The University of St. Thomas for maintaining the web page for our local AMS chapter. Chapter information and links to climatological and meteorological information can be found there. The address for the Twin Cities Chapter of the AMS is:

http://Bytc.stthomas.edu/www/math_http/weather/tcametsoc.html

Location: W093 16, N44 58

MINNEAPOLIS, MINNESOTA
Rise and Set for the Sun for 2001

Astronomical Applications Dept.
U. S. Naval Observatory
Washington, DC 20392-5420

Central Standard Time

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Rise	Rise	Rise	Rise	Rise	Rise	Rise	Rise	Rise	Rise	Rise	Rise	Rise
Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set	Set
h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m
01	0751 1643	0733 1721	0651 1801	0553 1841	0502 1919	0430 1953	0431 2003	0459 1939	0535 1850	0611 1753	0652 1701	0731 1533
02	0751 1644	0731 1723	0649 1802	0552 1842	0501 1920	0429 1953	0431 2003	0500 1938	0537 1848	0613 1751	0653 1700	0732 1533
03	0751 1645	0730 1724	0647 1804	0550 1844	0459 1921	0429 1954	0432 2003	0501 1937	0538 1846	0614 1750	0655 1658	0733 1532
04	0751 1646	0729 1726	0645 1805	0548 1845	0458 1922	0428 1955	0432 2002	0502 1935	0539 1844	0615 1748	0656 1657	0734 1532
05	0751 1647	0728 1727	0644 1806	0546 1846	0457 1924	0428 1956	0433 2002	0503 1934	0540 1842	0616 1746	0657 1656	0736 1532
06	0751 1648	0726 1729	0642 1808	0544 1847	0455 1925	0427 1956	0434 2002	0504 1933	0541 1841	0617 1744	0659 1654	0737 1532
07	0751 1649	0725 1730	0640 1809	0542 1849	0454 1926	0427 1957	0435 2001	0506 1931	0542 1839	0619 1742	0700 1653	0738 1532
08	0750 1650	0724 1731	0638 1810	0541 1850	0453 1927	0427 1958	0435 2001	0507 1930	0544 1837	0620 1740	0701 1652	0739 1532
09	0750 1651	0722 1733	0636 1812	0539 1851	0451 1929	0427 1958	0436 2000	0508 1928	0545 1835	0621 1739	0703 1651	0739 1532
10	0750 1652	0721 1734	0634 1813	0537 1852	0450 1930	0426 1959	0437 2000	0509 1927	0546 1833	0623 1737	0704 1649	0740 1532
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12	0749 1654	0718 1737	0631 1815	0533 1855	0447 1932	0426 2000	0438 1959	0512 1924	0548 1829	0625 1733	0707 1647	0742 1532
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14	0748 1657	0715 1740	0627 1819	0530 1857	0445 1934	0426 2001	0440 1957	0514 1921	0551 1825	0628 1730	0710 1645	0744 1532
15	0748 1658	0714 1741	0625 1819	0528 1859	0444 1936	0426 2001	0441 1957	0515 1919	0552 1824	0629 1728	0711 1644	0744 1532
16	0747 1659	0712 1743	0623 1821	0526 1900	0443 1937	0426 2002	0442 1956	0516 1917	0553 1822	0630 1726	0712 1643	0745 1533
17	0746 1701	0710 1744	0621 1822	0525 1901	0442 1938	0426 2002	0443 1955	0517 1916	0554 1820	0632 1724	0714 1642	0746 1533
18	0746 1702	0709 1746	0620 1823	0523 1902	0441 1939	0426 2003	0444 1954	0519 1914	0556 1818	0633 1723	0715 1641	0747 1533
19	0745 1703	0707 1747	0618 1824	0521 1904	0440 1940	0426 2003	0445 1953	0520 1913	0557 1816	0634 1721	0716 1640	0747 1534
20	0744 1705	0706 1748	0616 1826	0520 1905	0439 1941	0426 2003	0446 1952	0521 1911	0558 1814	0636 1719	0718 1640	0748 1534
21	0743 1706	0704 1750	0614 1827	0518 1906	0438 1942	0427 2003	0447 1952	0522 1909	0559 1812	0637 1718	0719 1639	0748 1535
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23	0742 1709	0701 1753	0610 1830	0515 1909	0436 1944	0427 2004	0449 1950	0525 1906	0602 1808	0640 1715	0721 1637	0749 1536
24	0741 1710	0659 1754	0608 1831	0513 1910	0435 1945	0427 2004	0450 1949	0526 1904	0603 1806	0641 1713	0723 1637	0750 1536
25	0740 1712	0657 1755	0607 1832	0511 1911	0434 1946	0428 2004	0451 1948	0527 1902	0604 1805	0642 1711	0724 1636	0750 1537
26	0739 1713	0656 1757	0605 1833	0510 1913	0434 1947	0428 2004	0452 1946	0528 1901	0605 1803	0644 1710	0725 1635	0750 1538
27	0738 1714	0654 1758	0603 1835	0508 1914	0433 1948	0429 2004	0453 1945	0529 1859	0606 1801	0645 1708	0726 1635	0751 1538
28	0737 1716	0652 1759	0601 1836	0507 1915	0432 1949	0429 2004	0454 1944	0531 1857	0608 1759	0646 1707	0728 1634	0751 1539
29	0736 1717		0559 1837	0505 1916	0431 1950	0429 2004	0455 1943	0532 1855	0609 1757	0648 1705	0729 1634	0751 1540
30	0735 1719		0557 1839	0504 1918	0431 1951	0430 2003	0457 1942	0533 1853	0610 1755	0649 1704	0730 1633	0751 1541
31	0734 1720		0555 1840		0430 1952		0458 1941	0534 1852		0650 1702		0751 1541

Add one hour for daylight time, if and when in use.