## Variety of events await an active skywatcher

This will be an incredibly ne-tive month for skywatchers; a va-riety of events will delight the eye. Unfortunately, there will be a few other rare events which will not

other rare events which will not be visible from our area.

One of the SKY highlights of the Watch wenter will be a month-long dance between two of the brightest in the sky. Venus and Jupiter. During November, a bright star, the moon and the planet Mercury will get into the act.

BULLOCK will get into the cat.

The moon will be in the constellation of Gemini the twins on Nov. 4 and 5. On the morning of the 5th the moon will be located midway between Costor, the head

of one of the twins (above and to the right of the moon), and Procyon (below and to the left of the moon). Procyon (PRO see on) is the brightest star in the constellation of Canis Minor, the Little Dog, and the righth brightest star in the eighth brightest star in the eighth brightest star in the neight bright star in the neight brightest star in the neutral star which time the sath, will be two degrees apart.

Morcury will be a time the sath, will be two degrees apart.

Morcury will be to independent of the neight bright star in the neight bright star in the neight bright star in the neight brightest star in the nein

Regulus, the "heart" of Leo the lion. On the following morning the moon will be directly below that star.

the moon will be directly below that star.

Venus and Jupiter will have their close conjunction ("grouping") on the morning of the 8th. The two bright objects will be only one-half of a degree apact (about one full moon diameter). Venus will be passing to the left of Jupiter. The next morning they will be three-quarters of a degree apart, and the distance will increase rapidly during the rest of the month.

Notice Spica, above and to the left of the two planets. At the beginning of the month the three objects formed a triangle. Now they will be in a nearly straight line.

line.

The moon joins the Venus-Jupiter-Spica grouping on the morning of Nov. 11. The moon will be above and to the right of Spica, and that star will be midway be-

tween the moon and Jupiter. On the next morning the waning creacent moon will form a triangle with Venus and Jupiter.

Mercury officially will be in the morning sky by this time; a line drawn from Jupiter through Venus will bring you to Mercury, but that illusive planet will be only two degrees above the horizon. It will be better placed for viewing in just a few more days.

New moon will be at 4:34 a.m. on Nov. 13. The moon will be located between the carth and the sun and will not be visible. As in the case of the transit of Mercury, the moon will be located nearly exactly between the earth and the sun and there will be a partial solar eclipse. The bad news Is this cellipse, just like the transit of Mercury, will not be visible from our area, but the view from Antarctica could be nice.

Mercury will be one degree to the left of Venus before sunrise on

Nov. 14. Venus, which will be much brighter than Morcury, will dazzle the eye. Mercury has been zipping between the earth and the sun during the month, but on the 14th it will appear to be stationary then will begin to draw closer to the sun. Per an analysis of Mercury in that respect. This will result in Morcury remaining very well placed for observing while Venus becomes more difficult as the weeks pass.

The waring crescent moon will be visible in the evening sky on the 16th. Look toward the southwest horizon around 5:50 p.m. On the 16th Look toward the southwest horizon around 5:50 p.m. On the 16th the moon will be higher in the sky, within the constellation of Sagittarius the archer.

Coming up next time: Mercury remains extremely well-placed for viewing in the morning sky for 1993, the Leonid meteor shower peaks and there will be a total eclipse of the moon.

## OU professor contributes to new book

John Paul White, associate professor and head of the vocal program at Oakland University's Department of Music, Theatre and Dance, is one of 27 leading oxperts contributing to a new book on voice disorders called "Vocal Arts Medicine."

The first book on the subject to include such a wide variety of authors, it deals with the treatment and prevention of vocal problems by discussing them from the per-

spectives of several professions: medicine, psychology, speech-language pathology and singing. White is one of three singers in the country invited to write for "Vocal Arts Medicine." And, except for the editors, he is the only author to have written more than one chapter. Edith Diggory, OU voice instructor, co-authored White's chapter "Assessment of the Singing Voice." His other chapter is titled "Multidiscipli-

nary Approach to Treatment."

Three doctors at Henry Ford Hospital in Detroit edited the look: Michael S. Benninger, MD, head of the Department of Otolaryngology: Barbara H. Jacobson, Ph.D., and Alex F. Johnson, Ph.D., of the Division of Speech-Language Sciences and Disorders, Upotartment of Neurology.

"Vocal Arts Medicine" is published by Thieme Medical Publishers.



YOU SHOULD CALL US
COMMERCIAL - RESIDENTIAL
Verticals - Mini-Blinds
Venelians - Cloth & P.V.C. etc.
Ultra Sonically Cleans &
Presses, Saniltzes & Olishlects
static Protects, Lubricates
Working Mechanisms
betomicron Oller

FREE BLIND CLENING Get the 5th Blind up to 60 AT NO CHARGE

Alexander's Blind Cleaning

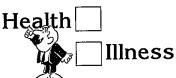
-800-254-6344







## If you had a choice, which would it be?



No one would intentionally choose illness, but in "Making Healthy Tomorrows" by Dr. Barry Franklin you will discover how to really choose health!

In his informative new book, Dr. Franklin tells readers in simple layman's language how to choose a healthy lifestyle that will improve appearance, health and well-being.

This well-illustrated book answers real questions, from real people, and tells real stories; some funny, others sad, but all true.

Written for those between 30 and 100, "Making Healthy Tomorrows" is easy to read with numerous charts and tables, and filled with great advice.

Just the gift you'll want to give yourself and those you care about.

Available locally at fine bookstores at \$12.95 or call:

1-800-289-4843

and order your copy today!

## Get up-to-the minute Open House information!

Listed by city, on our easy to use voice telephone directory, just call from any touch tone telephone and hear the latest real estate information—it's as easy as 1-2-3.

Call 953-2020 from any touch tone telephone

2 To hear listings in Oakland County PRESS 1 and in Wayne County Press 2 or press the number following the city you are interested in

4261

4263

....4262

.....4264

Makhedicali

LOUTTOINTENING

CAKIAND COUNTY-Walled Lake ......4286 West Bloomfield .......4281 BirmIngham...... 4280 .....4280 Faminaton ... .....4282 WAYNECOUNTY-Farmington Hills .......4282 ....4288 Milford ..... Garden Cltv ....4286 Novi ... Uvonia ......4260 Northville Royal Oak .....4287 Plymouth. Southfield ......4283 Redford ......4265 South Lyon ......4288 Westland.....

.....4284

3 Choose your price range and listen to the listings for the city you've

To back up, PRESS 1 • To pause, PRESS 2

To jump ahead, PRESS 3
To exit at anytime press \*

To exit at anytime press \*

Observer & Eccentric HOMELINE

953-2020