**MOUNTAIN SPARK GAPS**
**NEW PROVIDENCE AMATEUR RADIO CLUB**
Club Nets - Every Sunday - 145.8 MHz - RTTY- 8 PM / FM 9 PM

July 1983

# SPECIAL EDITION

## Meeting July 11

A meeting will be held on July 11th to finalize plans for the ***FOX HUNT***, which will be held on July 17th. There will be no refreshments at this meeting. See Special Meeting notice below.

## Notice

People with Field Day expenses, please bring them to the July 11th meeting to be reimbursed by our Treasurer.

## Special Meeting Notice - July 25th

Agreements among Amateur Radio organizations throughout the world have allocated the portion of the 2 meter band from 145.800 to 146.000 MHz. for use with amatuer satellite communications. This jeopardizes our continued use of 145.8 MHz as our club frequency.
In order to get a first-hand picture of what this is all about we are fortunate to have one of the key figures in our immediate vicinity who will tell us all about it and answer questions.

## BACKGROUND INFO

AMSAT Phase 3
On June 16, 1983, the European Space Agency's Ariane rocket launched the Radio Amateur Satellite Corporation (AMSAT) Oscar 10 satellite. If all goes well, by the end of the engineering test period now in progress this launch will have marked the beginning of a new era in amateur radio. In a much higher orbit than previous Oscars, AMSAT-Oscar-10 (known as Phase 3-B before launch) is simultaneously visible to large fractions of the world for periods as long as 10 hours at a time.

Oscar-10 carries two communications "transponders" or linear repeaters. Mode "B" relays a 150 KHz band of signals from 435 MHz to 145 MHz, and Mode "L", with a bandwidth of 800 KHz, relays signals from 1296 MHz to 436 MHz. This is the equivalent of creating two new DX amateur bands with the consistent and predictable propagation characteristics of local VHF/UHF communications.

This talk will outline the Phase 3 program underway since the middle 1970's, provide an update on the current status of Oscar-10, and describe how you can join AMSAT and take part in perhaps the most exciting frontier in amateur radio today.

Phil Karn, ***KA9Q***, AMSAT Assistant Vice President for Engineering and an employee of Bell Labs, Murray Hill, will give this talk. Ample time will be available for questions and answers.

Refreshments will be available after this meeting.