



**AURORA BOREALIS PLAYS TUCSON**  
Streaks of white appear in the red glow over the Catalina Mountains during the late show, Aurora Borealis, which was seen by thousands of Tucsonians last night. The phenomenon was first noticed shortly after sunset and continued until early morning, increasing in intensity.

### Aurora Borealis Glows Here

The northern sky above the Catalina Mountains was afire last night with an unusual Aurora Borealis display.

Alert Tucsonians spotted the northern lights shortly after sunset and the show was still on when others went to bed at 3 a.m. today.

"It's unusual for the Aurora Borealis to be seen this far south," said Dr. James E. McDonald, senior physicist at the University of Arizona Institute of Atmospheric Physics.

"It takes an unusually strong solar outburst to send the protons down to this low a latitude."

As McDonald explained it, the Aurora Borealis is caused by bombardment of the upper atmosphere by charged particles from the sun.

"These particles crash into the rare upper atmosphere, excite the atoms and they radiate," McDonald said.

Aurora are seen much more commonly at the poles than nearer the equator because of the earth's magnetic field.

"Low speed particles can't get in at the equator but can at the poles," McDonald said.

"We were on the south edge of the auroral zone. However, the edge was only about 100 miles to the north."

This often confuses people who think they are seeing lights from the North pole. Actually, the Aurora Borealis is only about 100 miles above the earth and therefore could not be seen if it were very far in the north.

This particular Aurora was very widespread.

The solar electronics played havoc with human communications. Telephone companies in many areas of the country reported widespread service disruption. Three television lines—NBC, CBS and Mutual—were knocked out at least seven times between 7 p.m. and midnight.

In Tucson, Lester Hellingger, an amateur radio operator living at Veterans Hospital where he is employed, said the Aurora Borealis interference today is the strongest he's ever seen.

"Everything's absolutely dead from 21 megacycles on up—the band that about 30 per cent of the amateurs can get from extra long distance transmissions by bouncing beams off the Aurora Borealis."

Local commercial radio, television stations and police radios reported no complaints due to interference here.

## Dulles Won't Commit U.S. On Tunisia

WASHINGTON—Secretary of State Dulles today appealed to France and Tunisia to settle their differences and restore their traditionally close friendly relations.

The appeal came at a news conference at which Dulles also said that a foreign ministers conference is not an essential preliminary to holding an East-West summit conference.

Dulles said evidence that agreement could be achieved by a summit conference is essential. On the Tunisia issue which arose Saturday over French aerial attack on a Tunisian border village, Dulles refused to commit the United States to a precise line of action.

He disclosed that Tunisian Ambassador Mongi Slim has asked the United States to support an appeal to the U.N. Security Council but Dulles made no commitment pending word on what precise action would be sought.

Meanwhile, Sen. John F. Kennedy (D-Mass) accused the administration of dangerous inaction in North Africa. He called for international moves to settle the explosive French-Arab conflict last all North Africa fall "to our credit."

Kennedy urged the U. S. government to ask the United Nations and North Atlantic Treaty Organization (NATO) "to assert jurisdiction over this threat to world peace."

American officials expressed grave concern that the bombing might seriously injure Western relations with all North Africa and possibly split the NATO allies.

In Paris, Premier Felix Gaillard agreed to immediate parliamentary debate today on the French bombing of the Tunisian village.

The bombing set off a diplomatic crisis for France which threatened relations with Tunisia and invited worldwide criticism of French policy.

Tunisia said 68 persons were killed, 30 were missing and 84 wounded in the raid.

Tunisia mounted in Tunisia, where French troops have been confined to their bases by order of President Habib Bourguiba.

The Tunisian president was reported determined that French troops must be evacuated from



The Duke of Windsor had a show of the Pug Dog Club