

In the Beginning

There were frequent school visits
to UNR campus

Demo Shows on campus

➤ For years K-12
students came to
UNR on field trips
through numerous
outreach programs.

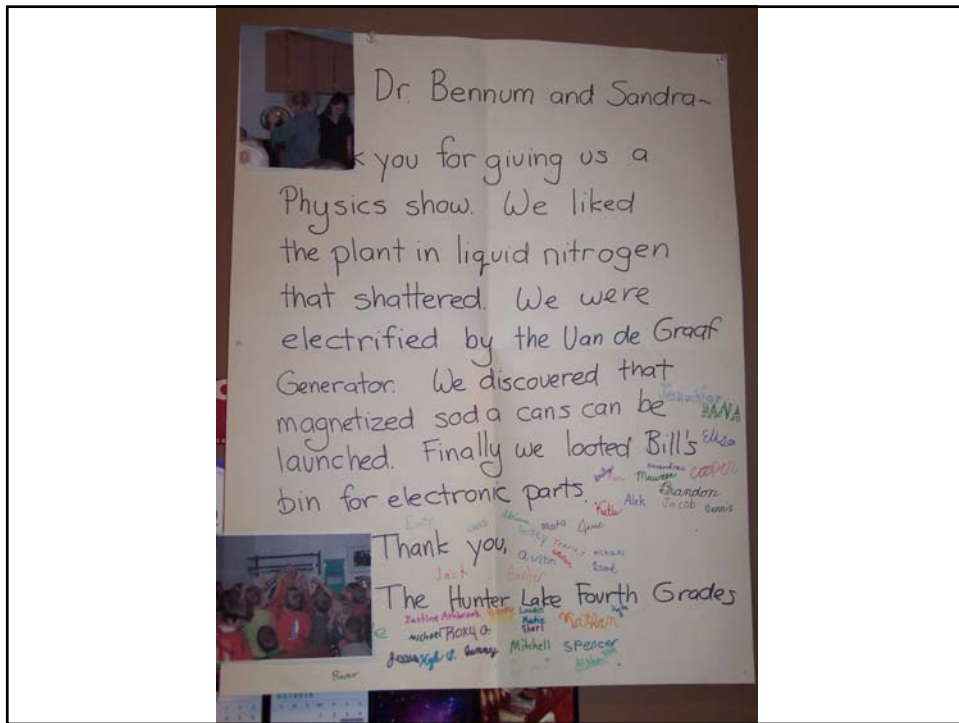
Campus Cruise

Science & Tech.
Day

Engineer's Day

Others







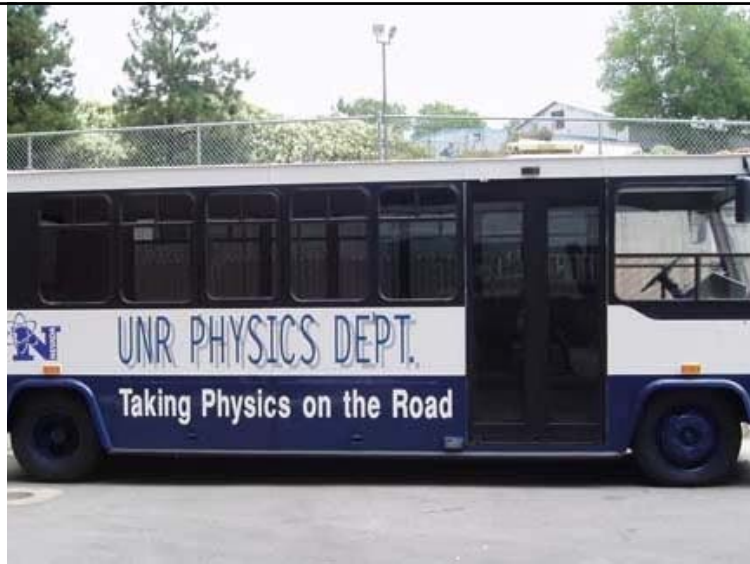
Over time the numbers dwindled as budgetary constraints limited many schools, especially in “at risk” neighborhoods.



The donation of a retired, experimental electric shuttle started the “on the road” program.



A student “contest” developed the logo



The “finished product” with a donated paint job

Science Fairs & and Science Days

- The early school visits were mostly science fair and science “days” at local schools.
- These shows were informal with the “audience in constant motion , all ages and chaotic with a mixture of “hands on” experiences and presentations.



PHYSICS ON THE ROAD

Workshop

February 2003

- Brought together physics faculty who were experienced in designing and providing year-round mobile physics displays and those who were interested in initiating similar outreach programs.
- The impetus for the workshop was the upcoming “World Year of Physics”, but the workshop had much broader impact for many of us who attended.

➤ Teachers from schools that had previously visited UNR and students who became teachers began to request class room or multi-class demonstration shows.

➤ The word spread through the district and soon we had trouble meeting demand!



A Multi-class Show



Graduated to Middle School



- The “old bus” had very limited range and speed and became unreliable.
- The original donor, a department technician, found a newer model.

An outdoor science day
with the new bus







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December 1, 2004

Dr. Vinaya Sathyasheelappa
World Year of Physics 2005
Physics on the Road Program

Re: Grant Proposal
Title: "Taking Physics on the Road"
UNR OSPA No. 0506008 – Bennum, D.

Dear Dr. Sathyasheelappa:

Enclosed please find the original and required number of copies for the above referenced project.

For the period of January 30, 2005 through June 30, 2006, funding in the amount of \$10,000 is requested.

In the event this proposal is awarded, please issue the award document to our legal name and send it to the address and attention of our authorized representative as follows:

The successful "World Year of Physics" grant allowed the purchase and development of new demos and also allowed us to "dress up" the new bus a bit!



Combining old and new we produced our new logo

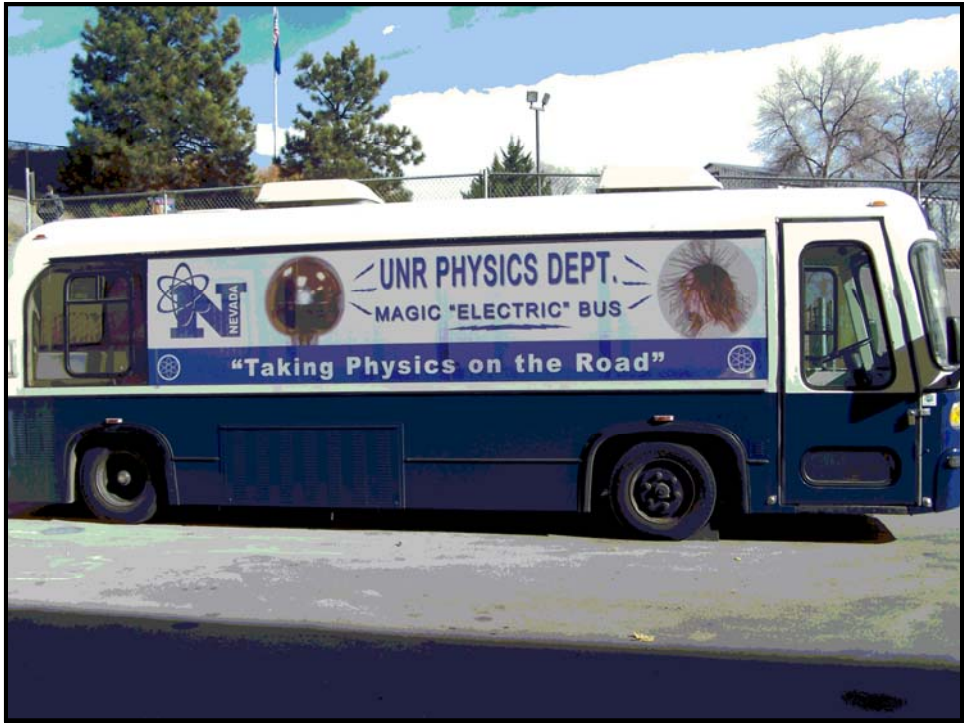


UNR PHYSICS DEPT.
MAGIC "ELECTRIC" BUS



"Taking Physics on the Raod"





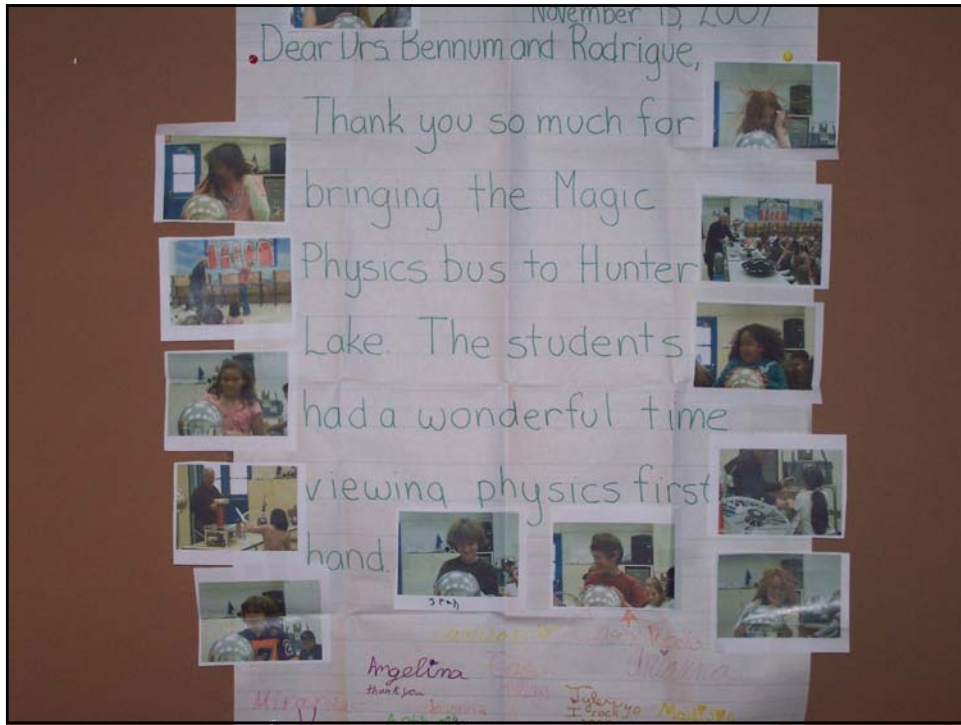












Even “Tall Kids”
LOVE
hair raising experiences!



Teacher involvement REALLY improves the “show”







Sometimes the spaces are crowded







Pumping iron & making light





Mr Maestro- Drum roll please



Some new equipment can be used
for UNR classes and outreach



The other ½ of the program



Two “pre-college” summer interns &
a parent helping with “first light”

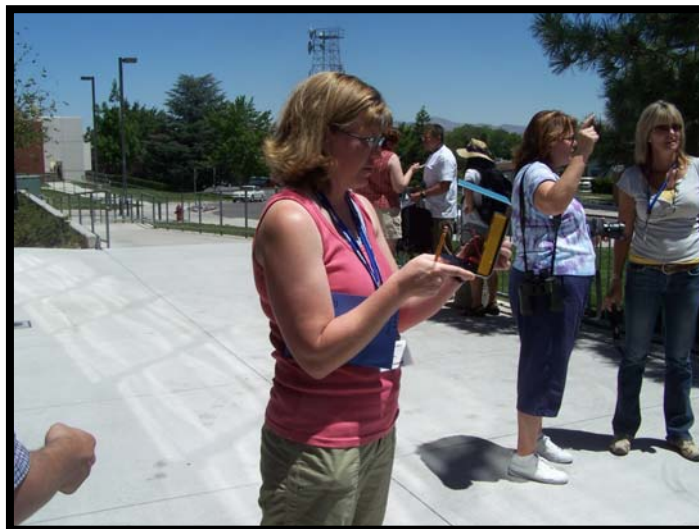


Teacher workshops form future
networks





Sun Photometry (a “hot topic”) can be done by elementary school classes

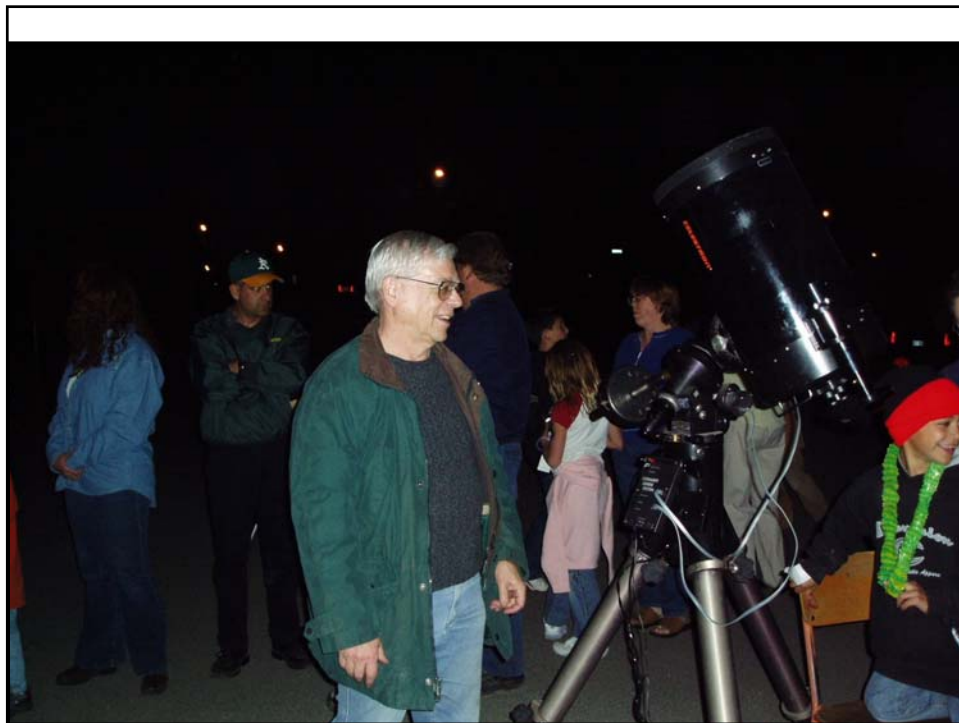


We have started “Stars on the Road” as an extension of our Road Projects





“Astronomy Night Out” at an elementary school



This is better than a gameboy



Or maybe not!



Some sites are better than others!!



Is this the wrong end to look through?

