

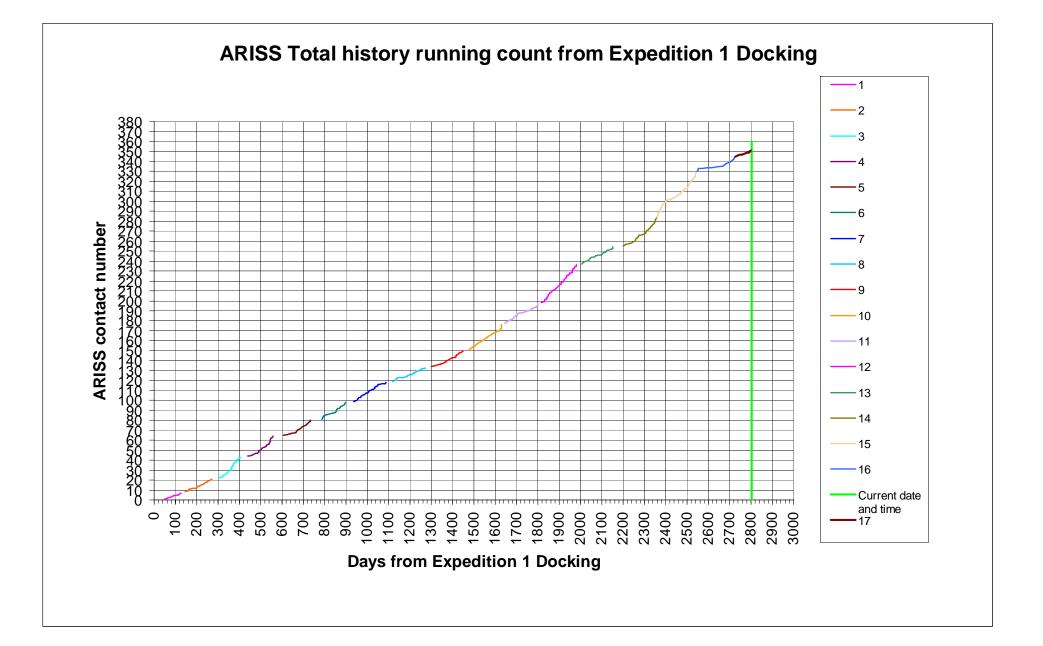
National Aeronautics and Space Administration

Amateur Radio on the International Space Station (ARISS)



Amateur Radio on the ISS

School Operations summary as of 2008-07-07 Will Marchant, KC6ROL



Waiting List

- 52 schools on waiting list
 - CA 10
 - EU 21
 - JA 12
 - US 9
- Recent wait time 1 to 1.5 year?

OSU U12 Girls talk to astronaut Dr. Robert Thirsk



Expedition 17 Plans

- Greg Chamitoff, KD5PKZ
- One done
- Two before Moscow TIM
- Eleven more
- Two unscheduled weeks being held in reserve

- Two crew picks so far:
 - Santa Barbara, CA Boy Scouts
 - Columbia Mission
 Project at Buchannan
 High School
- Unknown third school

Spaceflight Participants Schools

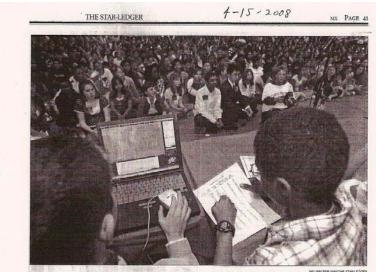
- Dennis Tito (TBD)
- Vittori (1)
- Shuttleworth (4)
- Olsen (3)
- Ansari (1)
- Simonyi (4)
- Shukor (5)
- So-yeon (2)

- Richard Garriott
 - Oct 14 to 23
 - Six events

Expedition18 Plans

- Mike Fincke, KE5AIT New Zealand
- Two schools per week
- <u>Plus</u> one Saturday
- Start immediately
- Willing to support "odd hour" contacts

• New Zealand (+12UTC) schools



Rocky Triffeni, left, and Aaron Wood, members of the New Providence Amateur Rodio Club and students at Parajopany's Central Middle School, yesterday work with a tracking computer, above, as astronaut and school atamnas Gurred Relearan, below left, is on the line from the International Space Station, answring questions from rine schoolers, including Databas Barnes, below right.

Astronaut phones home from space to his old school

Students track him as he passes overhead

BY AL FRANK STAR LEDGER STAFF "Hello Central," came the clear

voice from the International Space Station yesterday afternoon, It was alumnus Garrett Reisman calling his former middle school in Parsip-party from 220 miles up as he crossed the western hemisphere a little offer a here. little after 1 p.m.

<text><text><text><text><text><text>

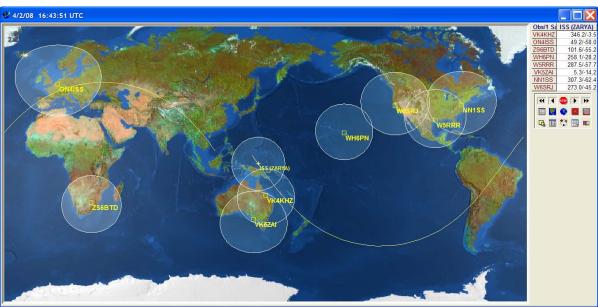
Nithe after 1 pm. Talk about horg distance. And for eight minutes, he held the school's sixth, sevenib- and eightb-graders to include units on eightb-graders to include units on eightb-graders to include units on about the view, how he sight on the food including his frontie and power providence Amateur with the New Providence Amateur

Upcoming Special Events

- International Education Week
 - 3 schools: 2 USA, 1 Ecuador
 - Via two bridge stations
- Space Week, Malaysia
 - Direct with Richard Garriott?

Telebridge Network

- Eight stations
- Four continents
- New stations in process:
 - Canada
 - Portugal
 - South America



(908) 654-1400 Sunday, April 27th = 11am - 5pm

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budgets pass

AREA - Voters in both Berkeley Heights and New Providence passed the school budgets in the April 15 election, and in both communities incumbent candidates were re-elected to office.

In Berkeley Heights, the two three-year terms were returned to board members Paul Beisser and Gerard Crisonino. There were 1,501 voters who cast "yes" ballots on the budget, and 850 voted "no."

Meanwhile, in New Providence, incumbents Robert Lucid garnered 758 votes and John Wolak got 700, while first-time candidate Mairym Azcona garnered 377 votes.

In the borough, the budget passed by a vote of 687 to 517.

College funding is event's focus

BERKELEY HEIGHTS The non-profit Consortium for Education Funding Awareness will present a workshop on college

Newsbriefs Club helps students 'chat' with astronaut

Members of the New students learn about communi-Providence Amateur Radio cations, science, geography Club helped arrange a space and space programs. It is an conversation between students international program supportat Parsippany Central Middle ed by 15 countries, including School and the International the U.S., Russia, Germany and Space Station.

mentor a conversation between the opportunity to speak direct-Reisman, who is orbiting the the earth. earth on the ISS. The conversa-

help from the members of has had considerable experi-NPARC because Mr. Reisman ence in on-the-air contacts, and actually members of NPARC, Dr. Greg Olsen aboard the ISS operating from their amateur in 2005. radio stations at home. This

mentored by NPARC.

on the International Space Jeff Williams on the ISS.

NEW PROVIDENCE - Station - is a program to help Japan. Through ARISS, stu-The NPARC was selected to dents from all countries have

students and astronaut Garrett ly with an astronaut orbiting All of the equipment was tion, via amateur radio, took set up in the school by memplace on Monday, April 14. bers of NPARC. The actual The students each asked the communication was under the astronaut a question about his control of Nicholas Esposito spaceflight experiences, and KC2ONP, a federally-licensed Mr. Reisman answered each radio amateur and a student at student by name and in detail. New Providence High School. Central Middle School was Nick obtained his federal amascheduled to participate with teur radio license in 2005, and

is a graduate of the Parsippany- in emergency communications. Troy Hills School System. The Nick was the local control students have been practicing operator at Ridgefield Park communications with "simu- High School during a converlated" astronauts, who are sation between students and

He was also control operawas the third such contact tor at Salt Brook School in the borough in 2006, when stu-ARISS - Amateur Radio dents conversed with astronaut



ON THE RADIO...TO OUTER SPACE — Members of the New Providence Amateur Radio Club gathered at a ham radio station installed at Central Middle School in Parsippany to plan for the April 14 conversation between students and Garrett Reisman, an American astronaut in orbit on the International Space Station. Seated at the operator's desk was Nick Esposito, KC2ONP, a ninth grader at New Providence High School. Assisting in and observing the operations were senior members of the NPARC, from left, David Berkley, K2MUN, of Basking Ridge, Frank McAneny, K2EZR, of New Providence, and Vince Lobosco, KC2IZK, of Scotch Plains.

Mayor Proposed COAH rules are flawed

Constraints

- Schools asking for weekend contacts
- Fixed weekday schedules
- Crew "agreements"

Planning Process

- Operations manager duty six months
- Predict "best weeks" for six months
- Accurate predictions for 5 weeks
- Two week notification of
 - Pass selection
 - Acceptance of Saturday passes

Lots of work!

- Too many to name, but, special thanks to:
 - Keith Pugh, W5IU and Dave Taylor W8AAS as next ops leads
 - Charlie Sufana, AJ9N for statistics and schedule
 - Gil Carman, WA5NOM orbit mechanic
 - The school mentors
 - The telebridge operators