The 35th Anniversary

Welcome

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35th Anniversary of the Internet
UCLA
October 29, 2004

A Quick Glimpse

- **35 years ago: Birth of the Internet**
  - **Busy deploying the first node**
- **15 years ago: 20th Anniversary**
  - **Before the Web**
- **5 years ago: 30th Anniversary**
  - **Heyday of the dot.com**
- **Today: 35th Anniversary**
  - **Post dot.com bubble burst. Mature view of Internet**

The Birthplace of the Internet

UCLA Engineering
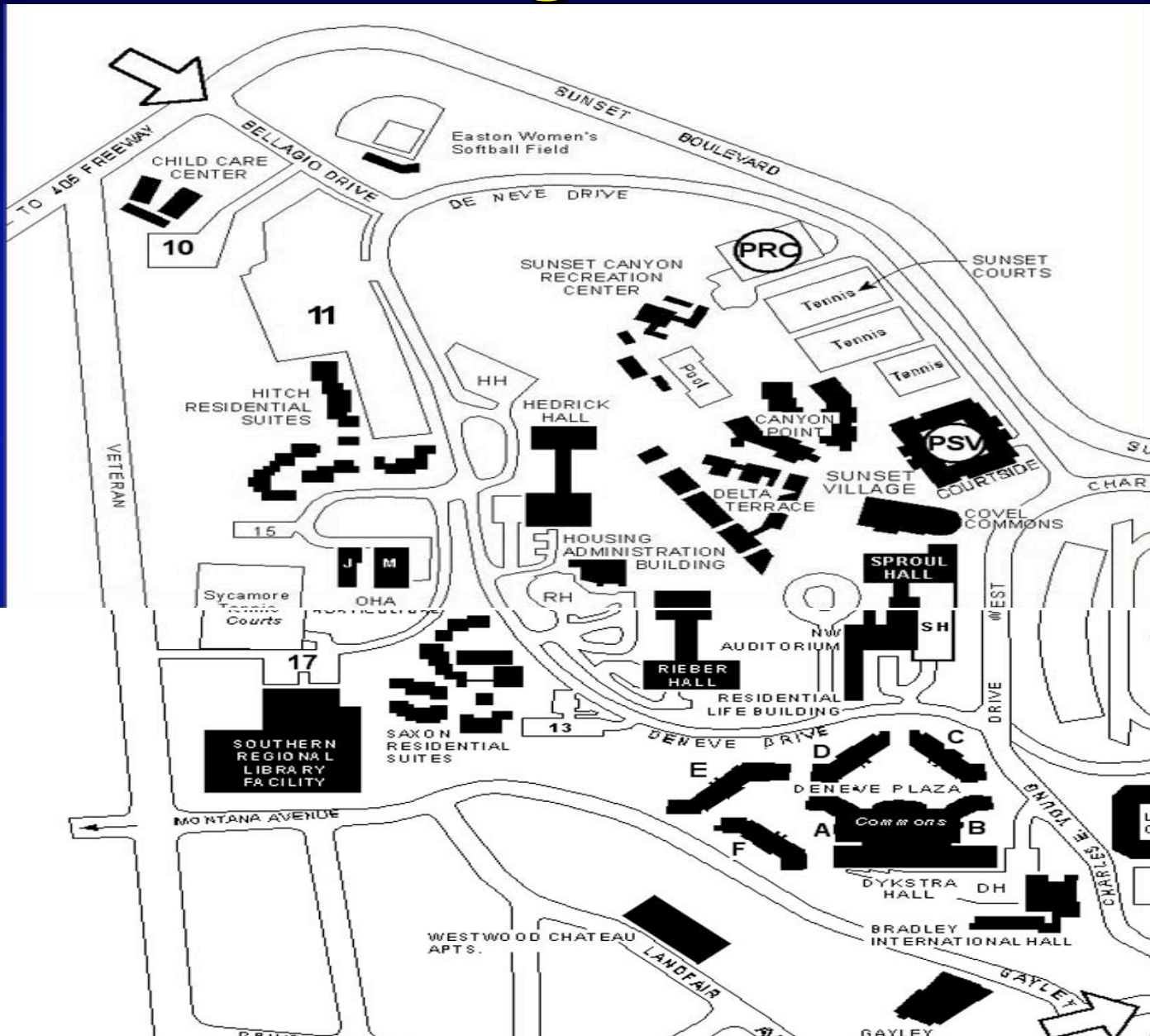HENRY SAMUELI SCHOOL OF
ENGINEERING AND APPLIED SCIENCE

Birthday

- **On September 2, 1969, the first piece of network equipment, the IMP, was first connected to the outside world.**

- **Two months later, on October 29, 1969, the first message was sent over the Internet.**

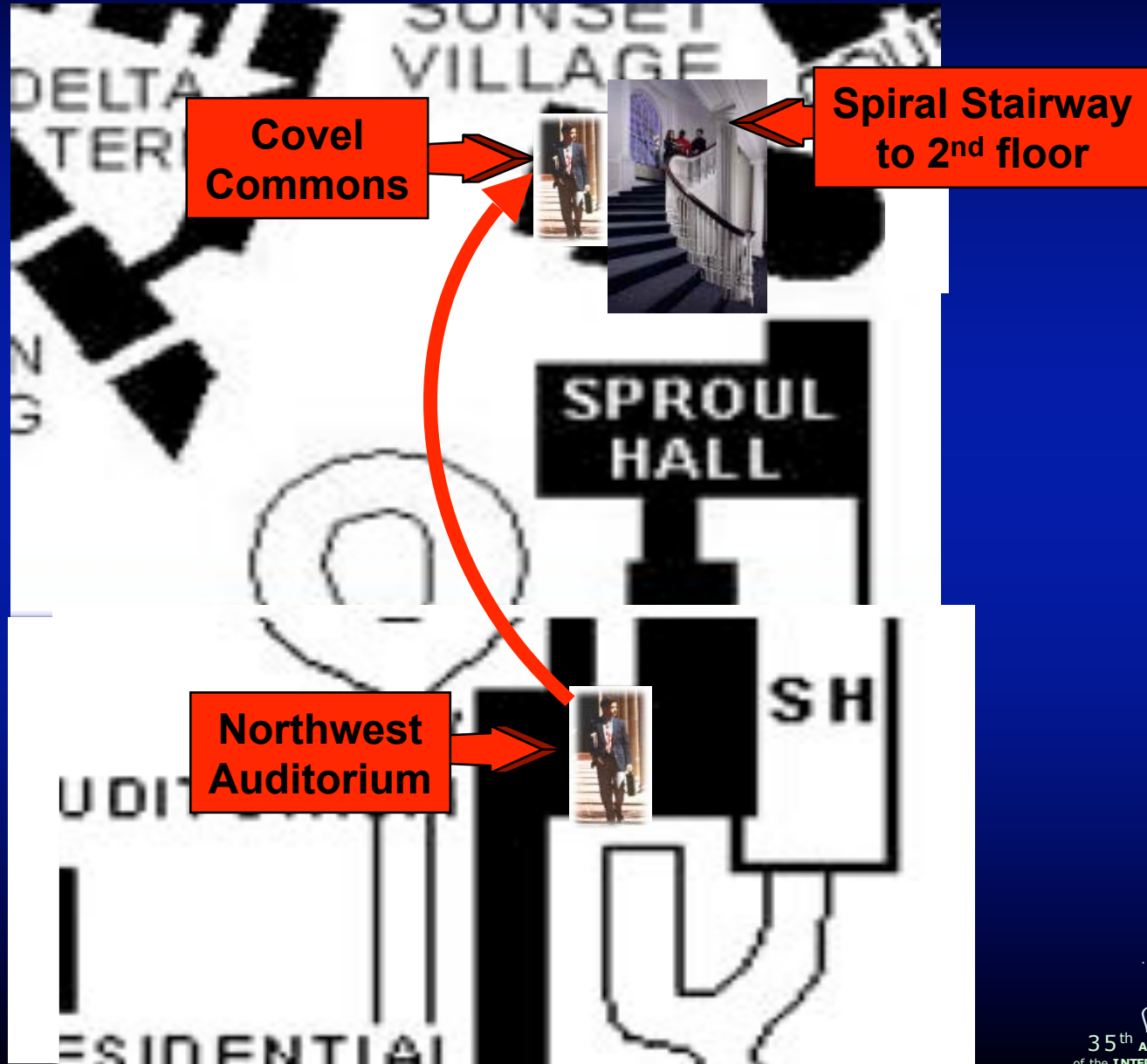- **Today is exactly the 35th anniversary.**

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of the **INTERNET** @ **UCLA**

The Schedule

- **7:00 – 8:00 am**   **Registration and Breakfast**
- **8:00 – 8:30 am**   **Conference Welcome**
- **8:30 – 9:00 am**   **A Brief History of the Internet**
- **9:00 – 10:30 am**   **The Bright Side: Gorillas of the Internet**
- **10:30 – 11:00 am**   **Break**
- **11:00 – 12:30 pm**   **The Global Side: Impact Beyond Technology**
- **12:30 – 2:00 pm**   **Lunch plus Keynote Address**
- **2:00 – 3:30 pm**   **The Young Side: The Indigenous Digital Generation**
- **3:30 – 4:00 pm**   **Break**
- **4:00 – 5:30 pm**   **The Future Side: Pioneers and Visionaries**
- **5:30 – 5:40 pm**   **Closing Remarks**
- **5:40 – 6:30 pm**   **Reception**

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Getting to Lunch

Getting to Lunch

Covel Commons

Spiral Stairway to 2nd floor

SUNSET VILLAGE

DELTA TER

SPROUL HALL

Northwest Auditorium

S H

UDIT

ESIDENTIAL

Welcome Poem

by Leonard Kleinrock 1989

- We've gathered here for two days to examine and debate
- And reflect on data networks and as well to celebrate.
- To recognize the leaders and recount the path we took.
- We'll begin with how it happened; for it's time to take a look.

- Yes, the history is legend and the pioneers are here.
- Listen to the story - it's our job to make it clear.
- We'll tell you where we are now and where we'll likely go.
- So welcome to ACT ONE, folks. Sit back - enjoy the show!!

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Wireless Access

- SSID is: internet
- No password required
- Find speaker's web site
- Critical email only
- No games / movies
- No cell phones
- Smoke-free environment

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What Makes the Internet Tick?

1. It embraces and encourages hundreds of millions of **people** to contribute their

   Creative ideas,

   Knowledge,

   Works

   and make them available to others on the net.

2. There is tremendous power in the early Internet's **culture** of
   - Open research,
   - Open architecture,
   - Shared ideas and works,
   - No overbearing control structure,
   - Trust in the members of the community,
   - Free access,
   - Group consensus on software development

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"What is the Internet?"

- **The father of Larry Garwood, my ophthalmologist, asked him,**

  "What is the Internet?"

- **Larry answered:**

  "It's everything, past, present and future."

- **And so his father challenged him …**

  "Find my World War II assault landing craft LCA 1375 !"
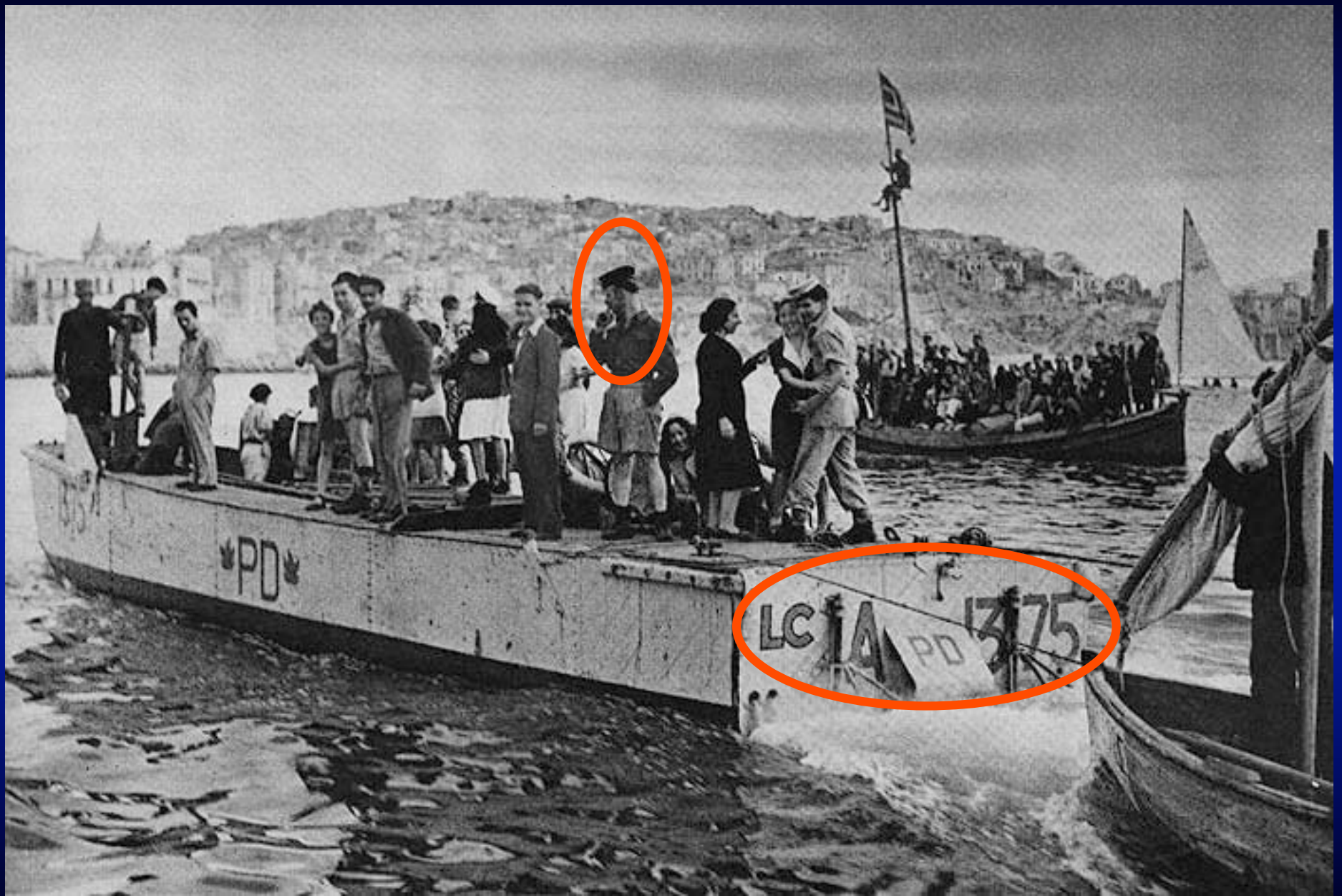
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Dean Vijay Dhir

- **Professor of Mechanical and Aerospace Engineering**
- **Named Dean of UCLA's Henry Samueli School of Engineering & Applied Science, March 2003.**
- **He came to the United States with a Master's degree in 1969 – the year the Internet was born.**
- **Received his PhD in 1972.**
- **Joined the UCLA faculty in 1974 - the year Vint Cerf and Bob Kahn published their classic paper describing TCP.**
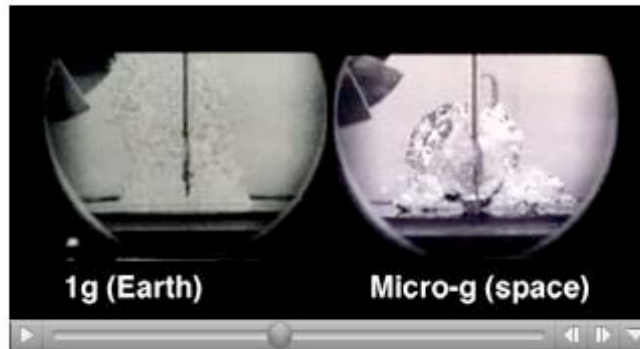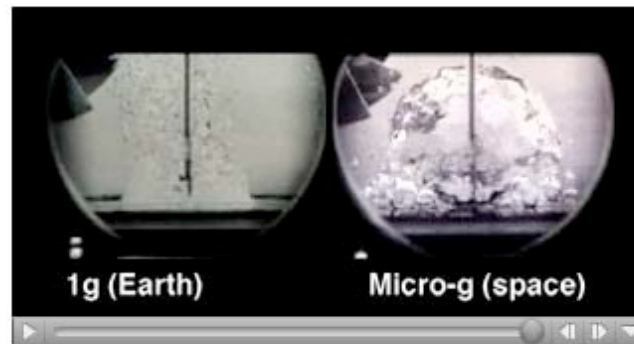- **His research is about boiling in micro-gravity environments, such as space.**

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Boiling

Early stage

Middle stage

Late stage

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Thank You

www.lk.cs.ucla.edu