

Please See Betty or Doreen at the Desk

- For wireless access
- For extra banquet “tickets” and/or hotel
- For parking permit, folder, nametag
- For anything else
- Or ask George

The C.N. Yang  
Institute for Theoretical Physics  
40th Anniversary Symposium

Welcome

# HOW WE ALL GOT TO BE HERE

(New York Times: Jan 14, 1963)

## NEW GRADUATE COURSES

### Programs in Science Planned at Long Island Center

Special to The New York Times.

ALBANY, Jan. 13—Graduate programs leading to Master of Science and Doctor of Philosophy degrees in three fields will be introduced next September at the State University's Long Island Center.

Dr. Thomas H. Hamilton, president of the university, said the programs would be in chemistry, physics and thermal sciences and fluid mechanics.

Dr. Hamilton expressed satisfaction with the progress of a \$40,000,000 building program on the center's future campus at Stony Brook-Setauket. The center is now at Oyster Bay.

*A bit later, an initiative to draw world-famous scholars:*

**NY Times,  
Feb. 29, 1964**

## **Republicans Offer Big State Program On Graduate Study**

**By LAYMOND ROBINSON**

Special to The New York Times

ALBANY, Feb. 28—The Legislature's top command proposed a program in the field of higher education today.

Assembly Speaker Joseph F. Carlino and Senate Majority Leader Walter J. Mahoney announced they would press for enactment at this session a plan to do the following:

¶ Establish professorships in honor of the late Dr. Albert Einstein and Dr. Albert Schweitzer "to attract the world's outstanding scholars" to private and public colleges and universities.

¶ Create 100 graduate science scholarships for part-time graduate students to give Negroes and others from low-income groups a chance to pursue graduate work while working.

¶ Establish 100 new graduate awards based on competitive

*The program only lasted until 1976, but it transformed Stony Brook ...*

A perfect fit for a developing science center!

A bold step taken by:  
John Toll (to be president of Stony Brook)  
T.Alec Pond (Chair, Physics)  
Max Dresden (Professor, Physics)

who approached Chen Ning Yang,  
then of the Institute for Advanced Study,  
Princeton.

# Why was attracting C.N. (Frank) Yang such a coup?

- Faculty at the Institute for Advanced Study, Princeton
- With T.D. Lee: shared 1957 Nobel Prize for prediction of parity non-conservation
- Many contributions to quantum field theory and statistical mechanics
- In 1954, co-inventor of non-abelian gauge (Yang Mills) theories (not well known in 1964)

# And C.N. Yang declines one opportunity; accepts another ...

NY Times  
Jan 25, 1966

Dr. Oppenheimer Plans History Of Physics After His Retirement  
New York Times (1857-Current file); Jun 21, 1966; ProQuest Historical Newspapers The New York Times (1851 - 2003)  
pg. 46

## Dr. Oppenheimer Plans History Of Physics After His Retirement

Dr. J. Robert Oppenheimer who will retire at the end of the month as director of the Institute for Advanced Study at Princeton, hopes to write a history of 20th-century physics.

In an interview reported in the June 27th issue of Newsweek magazine, the 62-year-old physicist ruled out writing his memoirs.

"In any case," he added, "I am giving a hideously complete archive dating back to 1943 to the Library of Congress, if any one cares to look at it."

Dr. Oppenheimer also said he believed there was "something cooking" in the way of a great scientific breakthrough in physics.

"I do not know how far off it is," he said. "It may be only years, not decades. There are many pieces of information around that don't add up."

On the subject of nuclear disarmament, he said he believed progress could be made toward it if the countries with nuclear arms got rid of them.

"This will affect how the nu-

clear have not yet," he said.

Nobel Winner Is Named by State To \$45,000 University Position

By FRANCIS X. CLINES Special to The New York Times  
New York Times (1857-Current file); Nov 12, 1965; ProQuest Historical Newspapers The New York Times (1851 - 2003)  
pg. 1

## Nobel Winner Is Named by State To \$45,000 University Position

By FRANCIS X. CLINES

Special to The New York Times

STONY BROOK, L. I., Nov.

11—The fledgling division of the State University here announced a major step in its development today in the appointment of Dr. C. N. Yang, physicist and Nobel laureate, to the Albert Einstein Chair in Science.

The chair is one of 10 teaching and research positions set up by the Legislature two years ago that carry an annual endowment of \$100,000. Dr. Yang will be paid a salary of \$45,000, or \$5,000 more than Dr. Samuel B. Gould, president of the university, to make him the highest paid professor in the university.

The remaining \$55,000 will be used for staff salaries and research as Dr. Yang chooses.

Dr. Yang, who is 43 years old, was born in Anwei, China. He is a theoretical physicist



Dr. C. N. Yang

and an authority on elementary particles.

The appointment was praised by Dr. Maurice Goldhaber, director of the Brookhaven National Laboratory in nearby

Continued on Page 40, Column 3

NY Times  
Nov. 12, 1965

Yang with the Department, 1966-67



Max Dresden

John Toll

Alec Pond

# Themes of a new Institute for Theoretical Physics

- Particle physics (... gauge theories, neutrinos, general quantum field theory, lattice gauge theory)
- Gravity (... supergravity and string theory)
- Statistical mechanics (... solvable models and quantum information)
- Graduate education

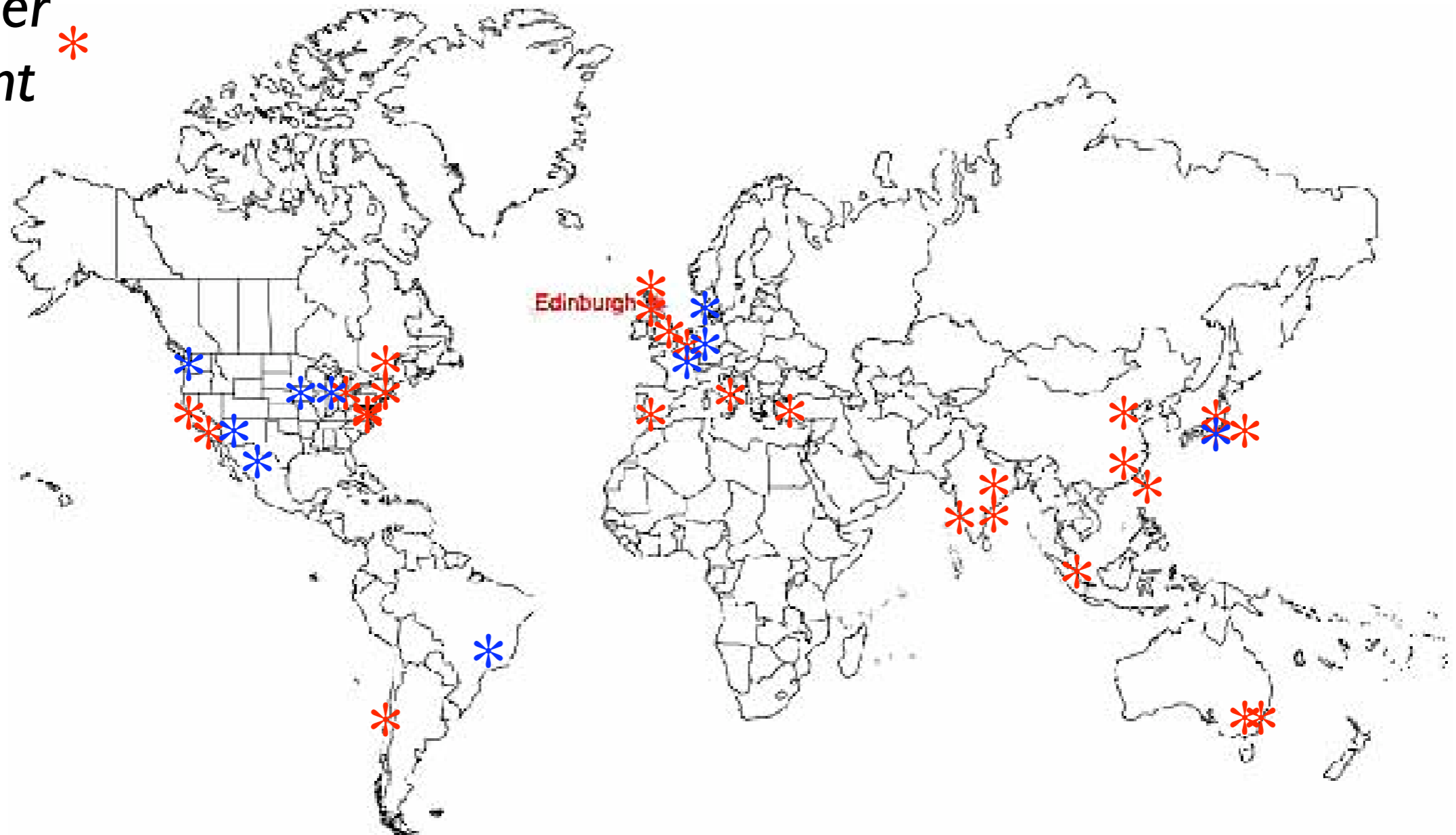
- First faculty: Max Dresden, Ben Lee, Gerry Brown, Ernest Courant.
- First postdocs: William Bardeen, Hwa-Tung Nieh, Michael Nieto, Wu-Ki Tung.
- Since then: over 100 postdocs, over 200 students.
- Alumni include prizewinners, society members, theory group leaders ...
- Commitment to graduate education continues.

# A Selection of current locations:

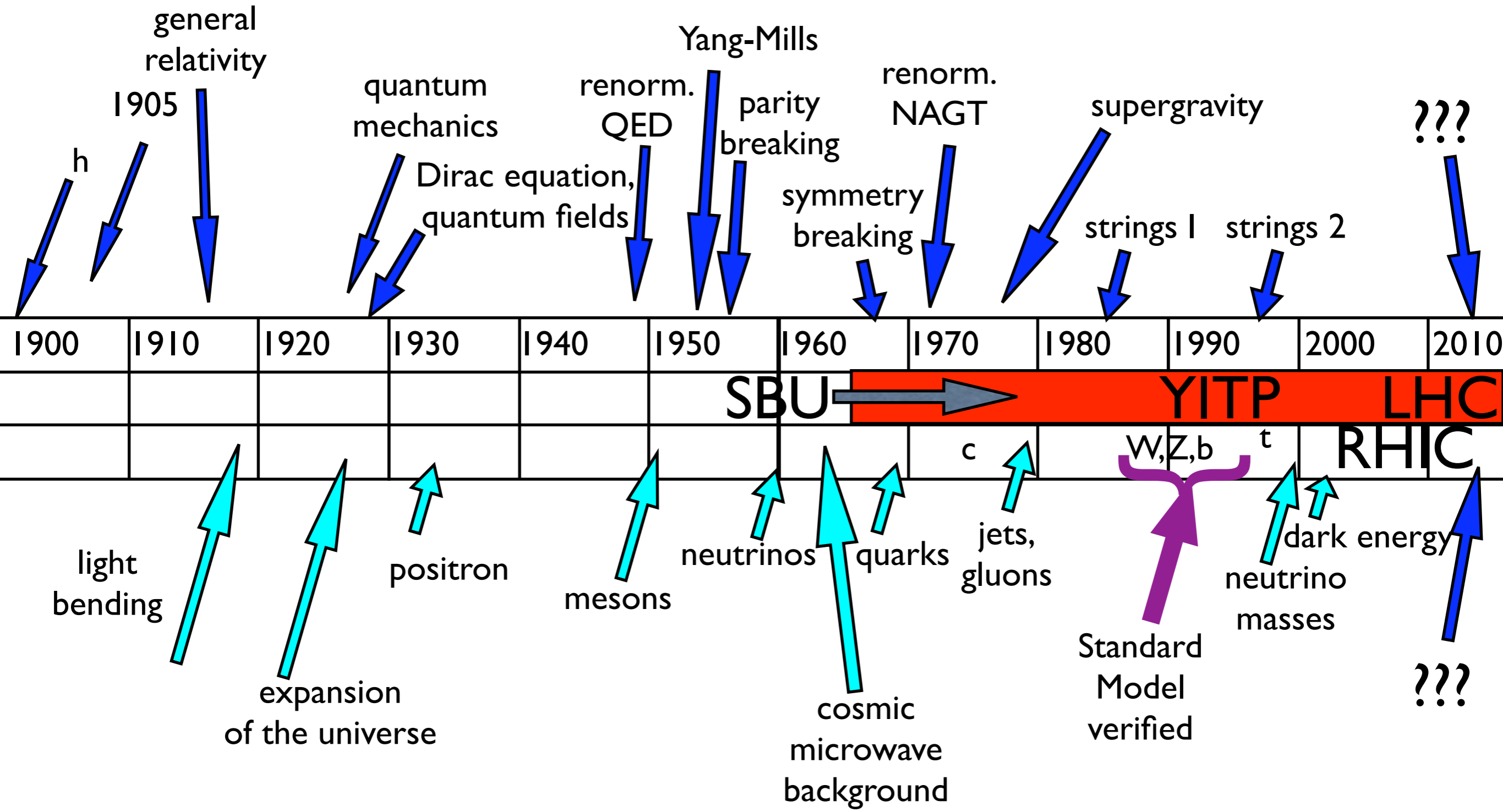
*Former  
postdoc* \*

*Former  
student* \*

YITP @ 40  
May 2 - 5, 2007



# “Big-picture” theory



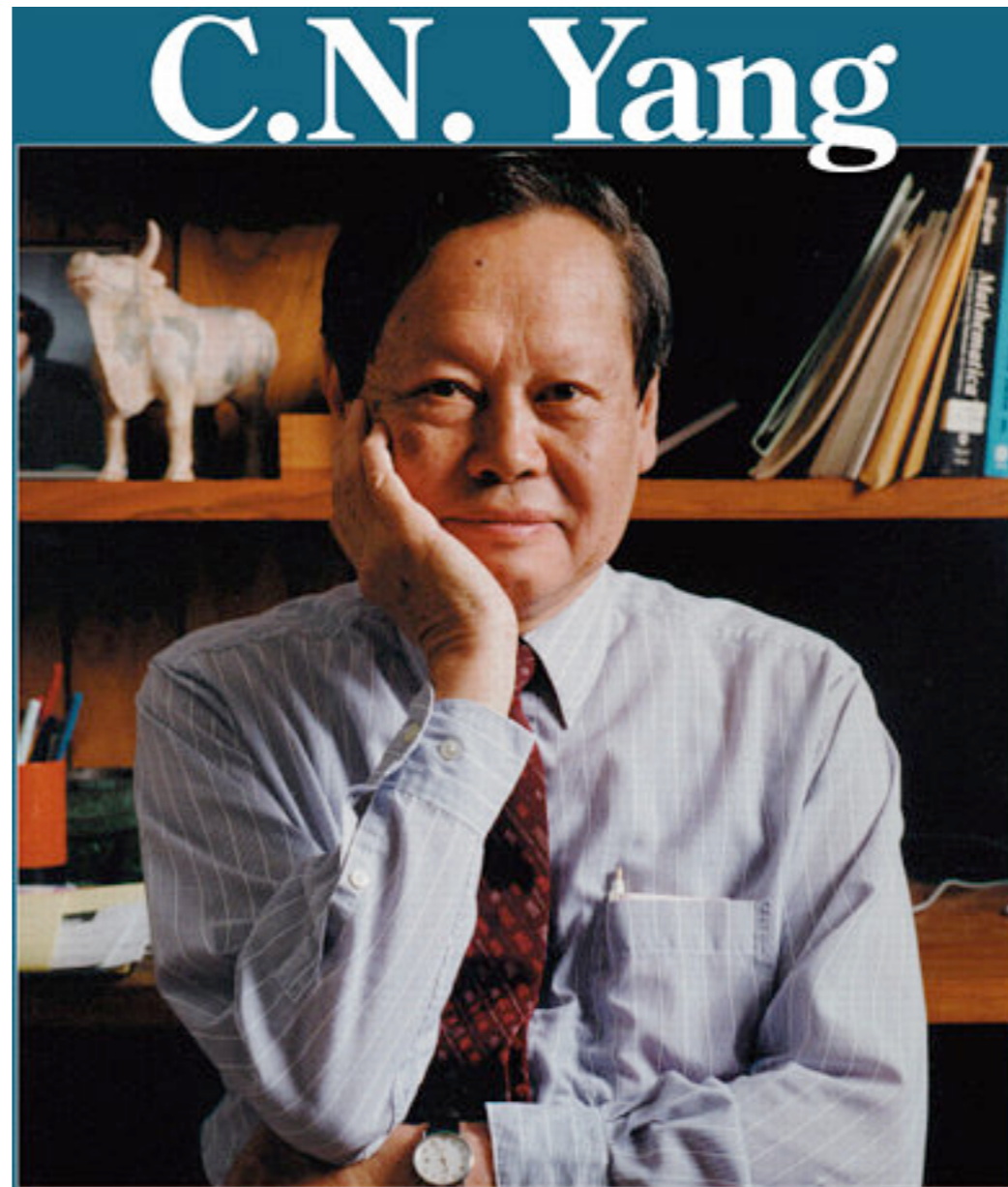
# Experiment/Observation

- Frank Yang Retired in 1999, succeeded by Peter van Nieuwenhuizen (to 2001)

Speakers and  
Session Chairs

L. Alvarez-Gaumé  
E. Ambler  
W.A. Bardeen  
R.J. Baxter  
G.E. Brown  
S.S. Chern  
G.F. Chew  
P.C.W. Chu  
L. Cooper  
E. Courant  
J.W. Cronin  
F.J. Dyson  
L.D. Faddeev  
V.L. Fitch  
M. Goldhaber  
W. Ketterle  
R.L. Mills

R. Oehme  
M.N. Rosenbluth  
J. Simons  
I. Singer  
J. Steinberger  
B. Sutherland  
G. 't Hooft  
E. Teller  
S.C.C. Ting  
A. Tonomura  
S.B. Treiman  
M. Veltman  
T.T. Wu  
L.H. Yu  
S.T. Yau  
S.C. Zhang  
G. Zhou  
J. Zinn-Justin



# What Makes an Institute?

- A founding tradition with staying power.
- A shared sense of purpose more general than fashion.

All of us here are lucky and proud to be associated with all of you, our former colleagues.

Thanks for coming this week to represent all of those who contributed with their presence.

*And again, Welcome.*