

American Graffiti :

Pictures from Research and Leisure across the USA

Franz J. Himpsel

Emeritus, Physics Dept.

University of Wisconsin Madison

Arriving in the US, I expected something like this movie by George Lucas, starring young Harrison Ford.

45 years later, I am still here.



Featuring

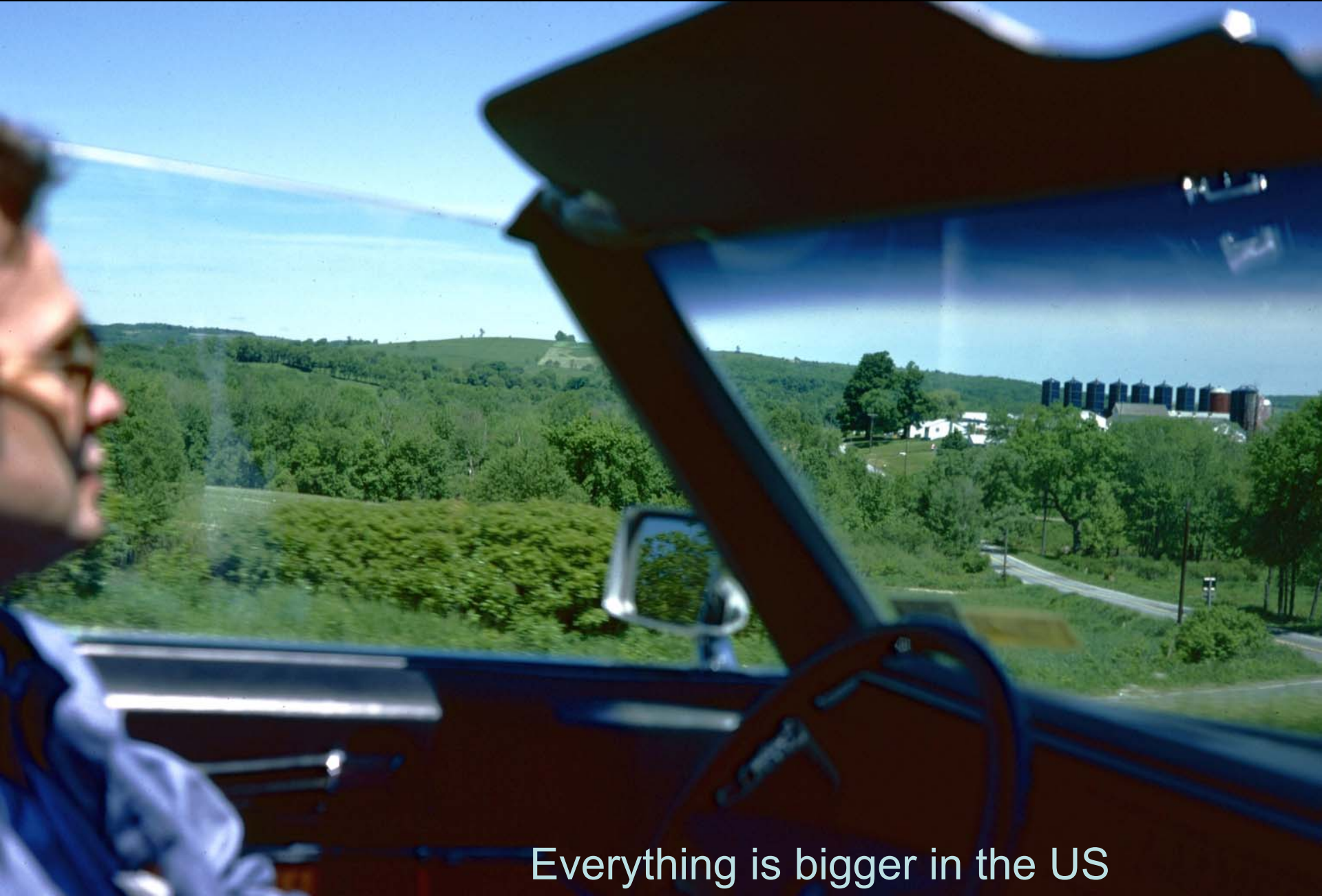
Bill Haley & The Comets • The Crests • Del Shannon • Frankie Lynon & The Teenagers • The Spaniels • The Tempos
Buddy Holly & The Crickets • Buster Brown • Danny & The Juniors • Chuck Berry • The Beach Boys • The Fleetwoods • The Platters
The Diamonds • Joey Dee & The Starlighters • Lee Dorsey • Fats Domino • The Flamingos • The Silhouettes

2LP Gatefold Set On 180g Vinyl



But suburbia had taken over drive-in movie theaters.
No girls in roller skates either.

Dean Eastman (my first Boss) in his 7 Liter Cadillac Convertible

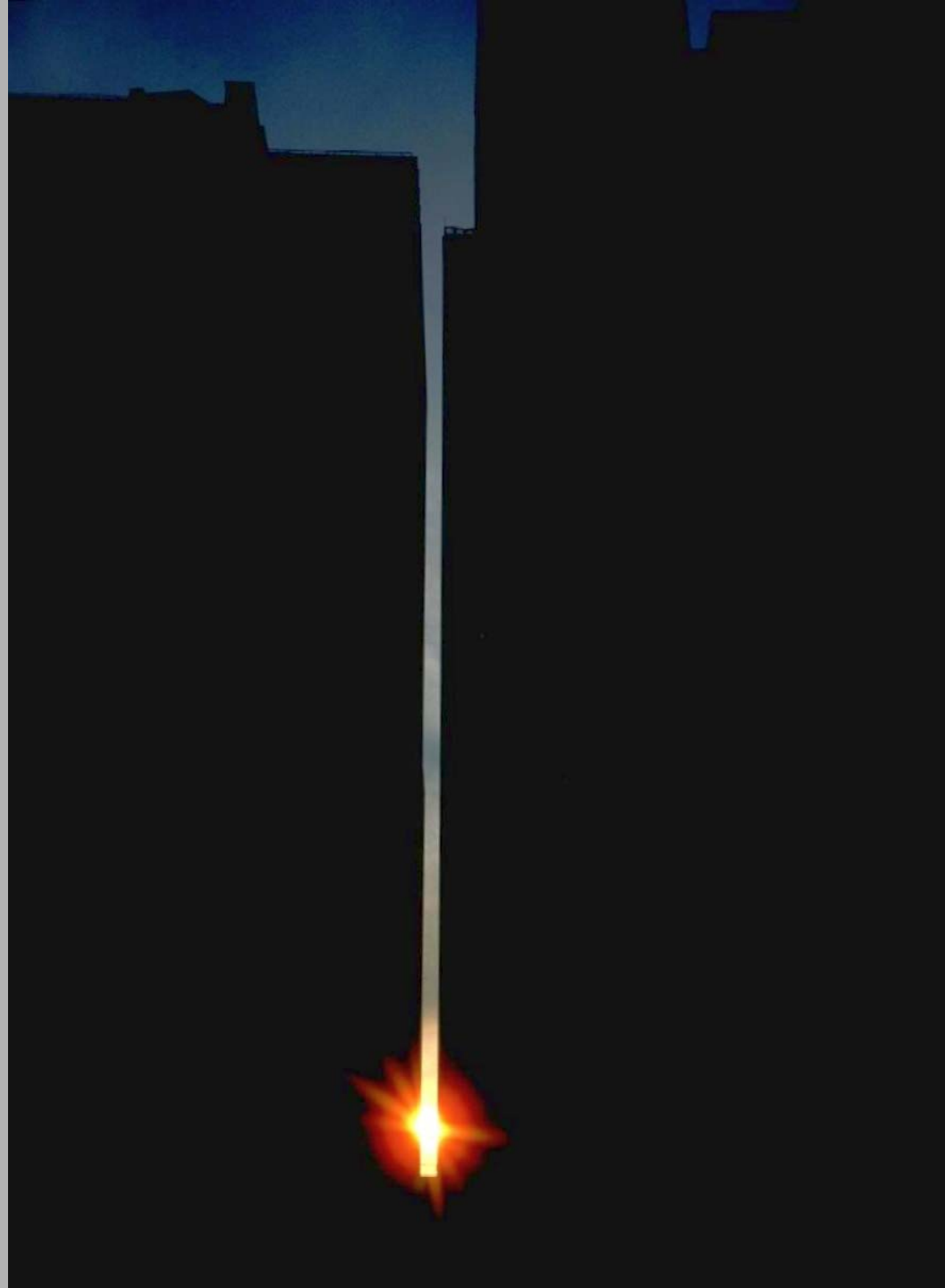


Everything is bigger in the US

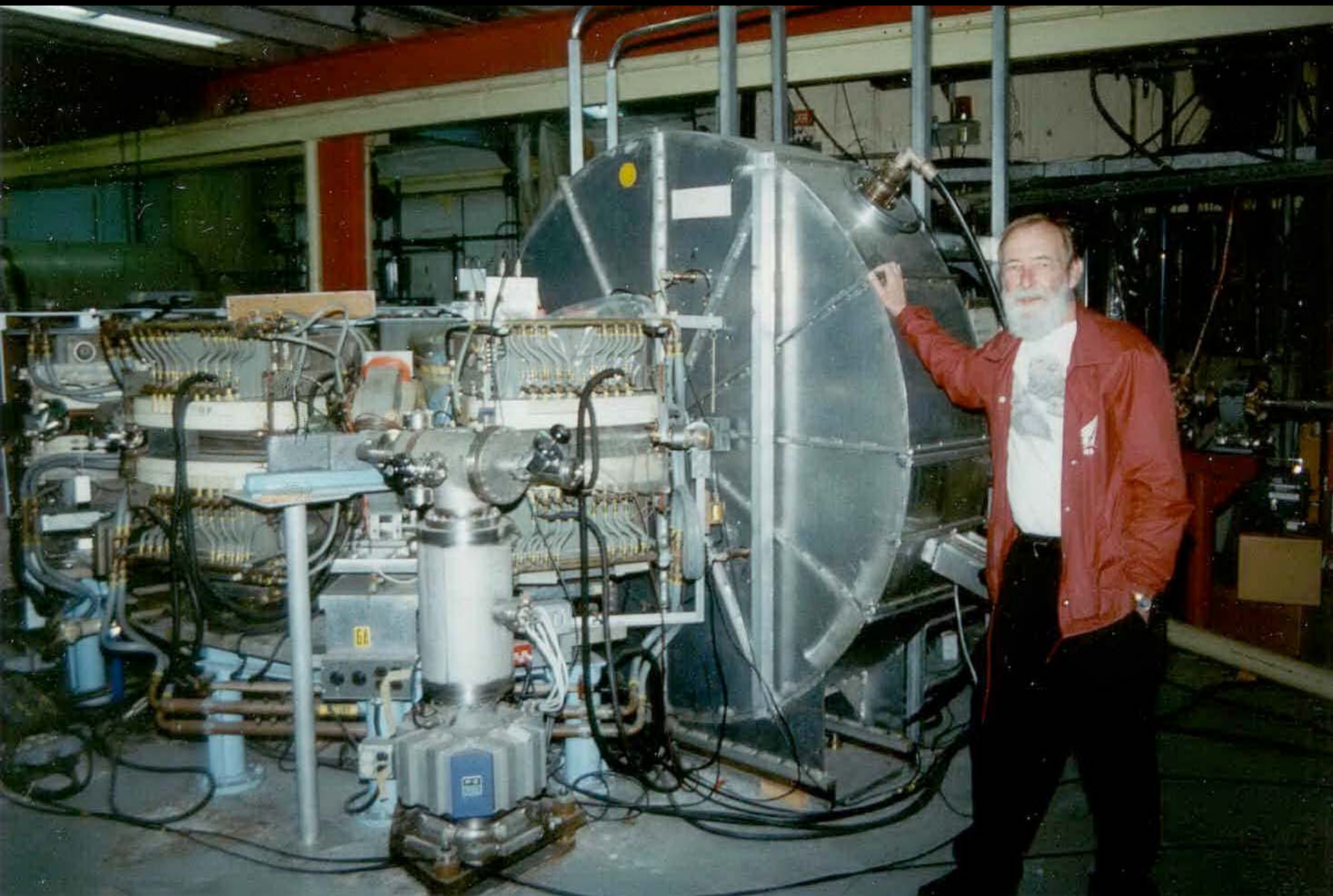
Sunset between the Skyscrapers

My first impression of
Manhattan was
claustrophobic.

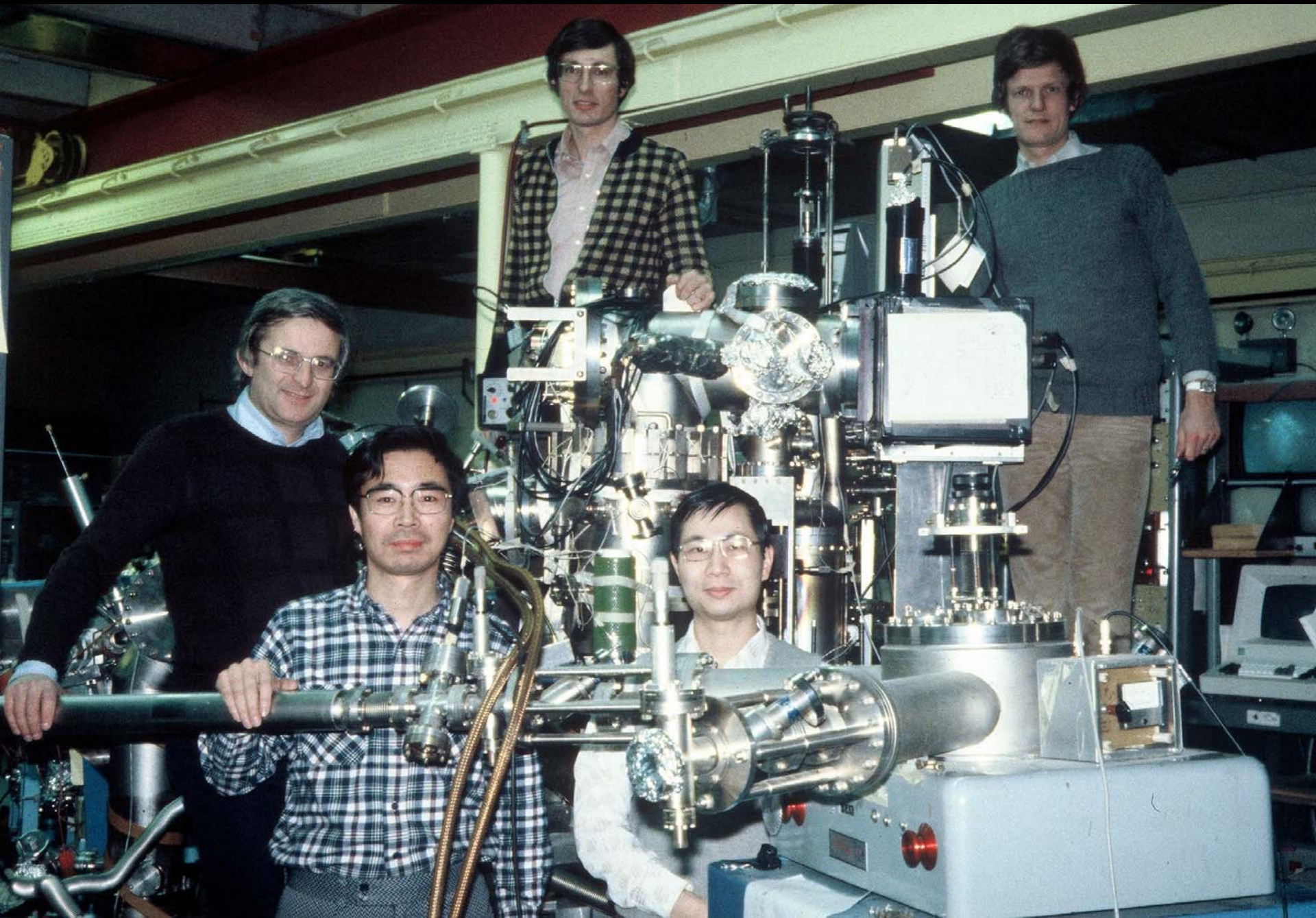
Watching the original
“Star Wars” movie on
Broadway was quite
an experience. The
audience was totally
with it, cheering good
guys and booing bad
guys.



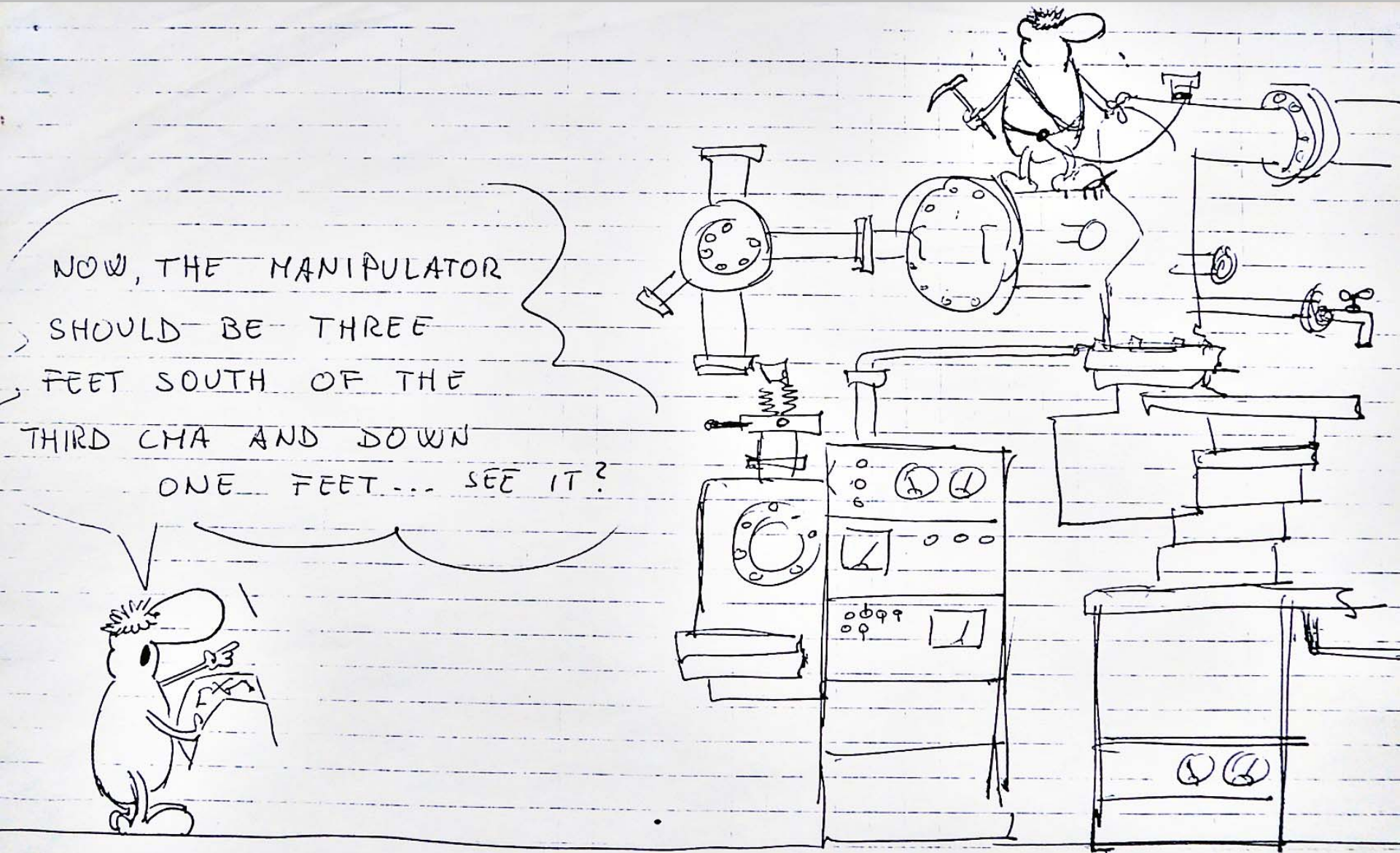
Next came Ed Rowe's Tantalus Storage Ring in Wisconsin.



Günter Kaindl, Masa Aono, Franz Himpfel, Tai Chiang, Friso van der Veen



The IBM Tower



Cartoon by Franco Cerrina

Highlight of the Users Meeting: The Master of Ceremonies Presenting the G. J. Lapeyre Award



G. J. Lapeyre in Brazil, far from his Dietician “Drill Sergeant”



The Tantalus Soccer Team:

Quite a few Postdocs became Directors of Synchrotron Labs



ISI's 1120 Most Cited Physicists, 1981-June 1997

→ **Tantalus Alumni**

Not bad for such a small place

Author name	averag cites	total articles	total cites	rank by total citations
TAKAGI H	36.31	202	7334	47
PROCACCIA I	64.65	113	7305	48
SPICER WE	23.99	304	7292	49
KOBAYASHI T	8.62	845	7282	50
→ WEAVER JH	23.10	315	7277	51 ←
PARISI G	33.75	215	7257	52
WILCZEK F	56.50	128	7232	53
→ HIMPSEL FJ	39.55	182	7199	54 ←
SCHMITTRINK S	66.25	108	7155	55
WANG YQ	76.11	94	7154	56
BINDER K	36.65	195	7146	57
GROSS DJ	129.67	54	7002	58
PERDEW JP	96.57	72	6953	59
BUSCHOW KHJ	11.94	581	6939	60
TOKURA Y	28.27	245	6926	61
MAPLE.MB	18.46	375	6922	62

Tantalus is now a Historic Site of the American Physical Society



The Official Plaque in the Tantalus Vault

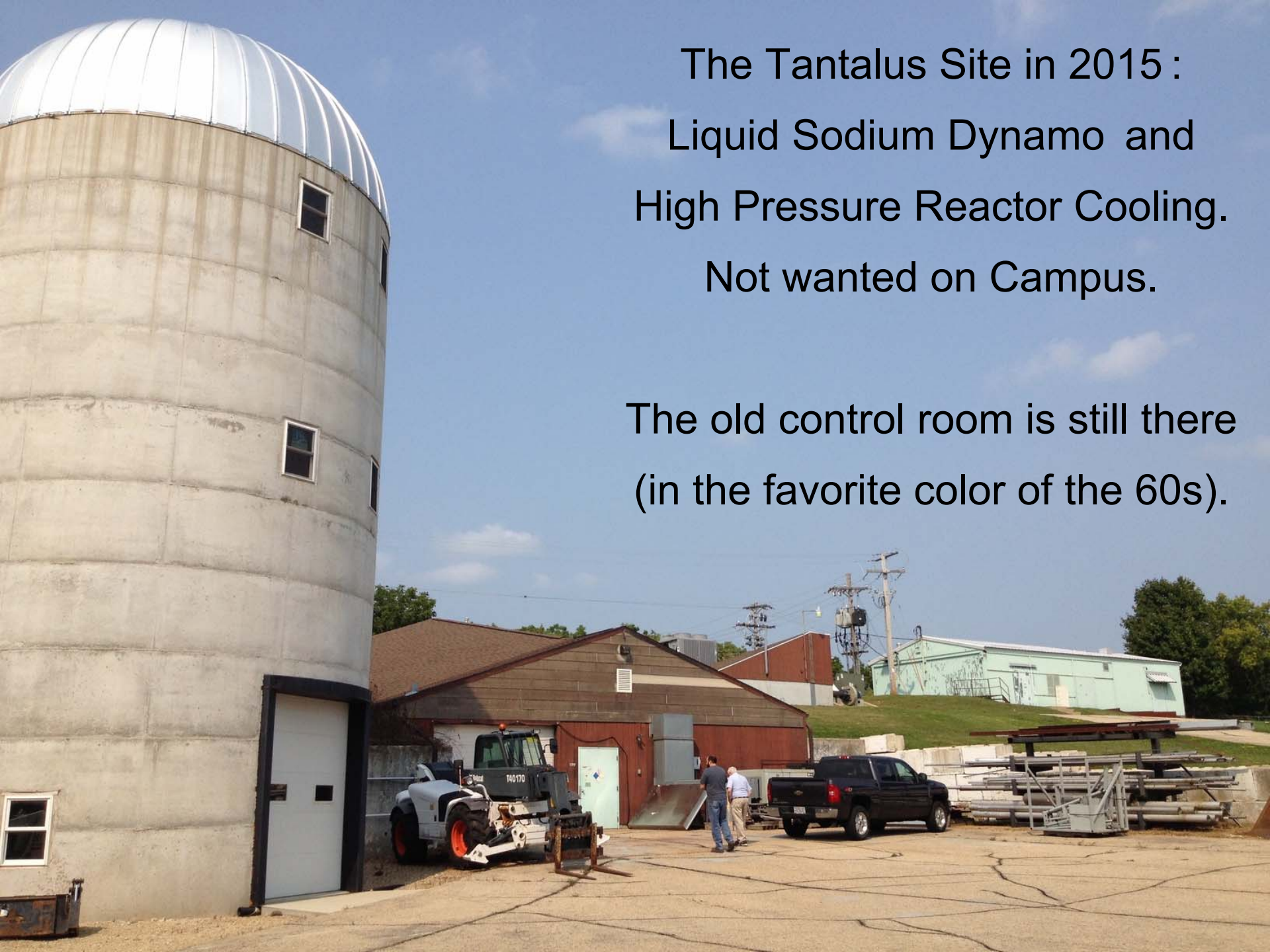


From 1968 to 2014 the University of Wisconsin-Madison operated the Tantalus and later Aladdin electron storage rings to produce synchrotron radiation for scientific research. Located at the Synchrotron Radiation Center, near Stoughton, WI, Tantalus was the first dedicated synchrotron light source. In 1985 it was replaced by Aladdin, which was used until 2014. Operating for nearly 50 years, the SRC was a birthplace of synchrotron radiation science, hosting thousands of researchers from all over the world and leading to fundamental scientific discoveries.

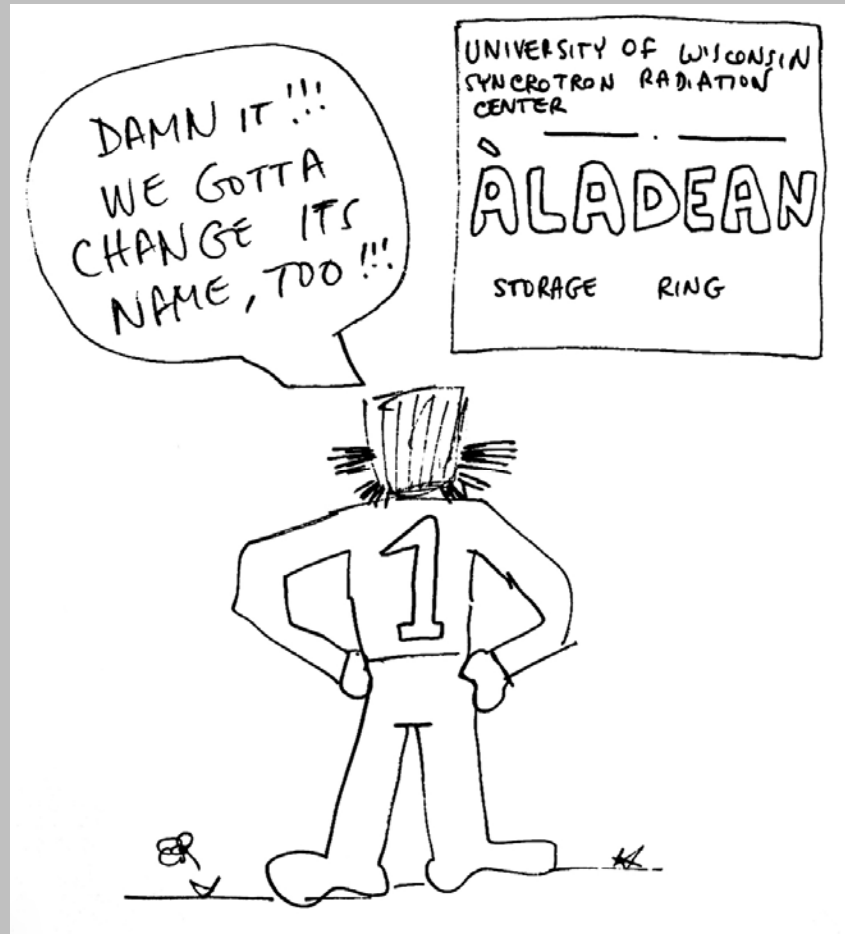
**HISTORIC PHYSICS SITE, REGISTER OF HISTORIC SITES
AMERICAN PHYSICAL SOCIETY**

The Tantalus Site in 2015 :
Liquid Sodium Dynamo and
High Pressure Reactor Cooling.
Not wanted on Campus.

The old control room is still there
(in the favorite color of the 60s).



Aladdin, the Successor of Tantalus



Eastman

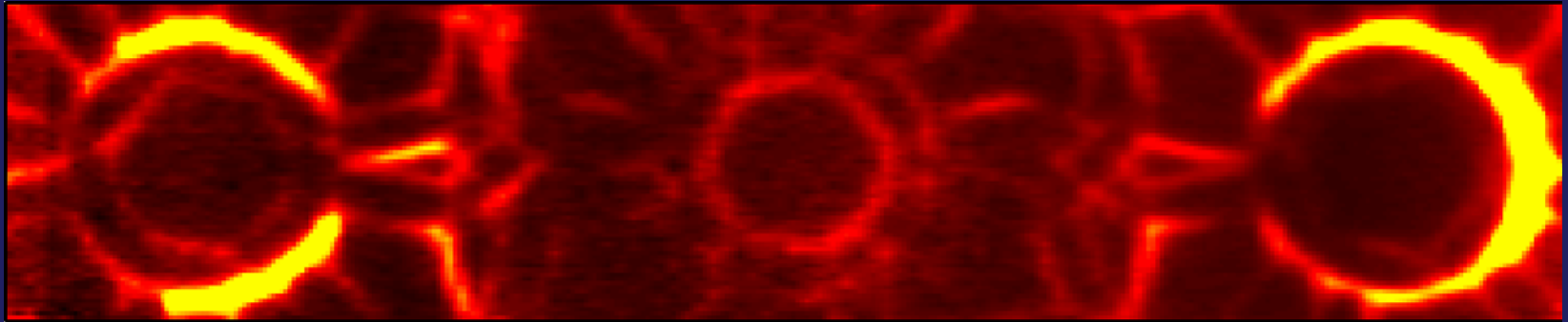
Cartoon by Franco Cerrina

From Aladdin : Fermi Surfaces of Surfaces

2D



2D +
super-
lattice



1D



The University of Wisconsin Madison: Bluegrass at the Union Terrace on Lake Mendota

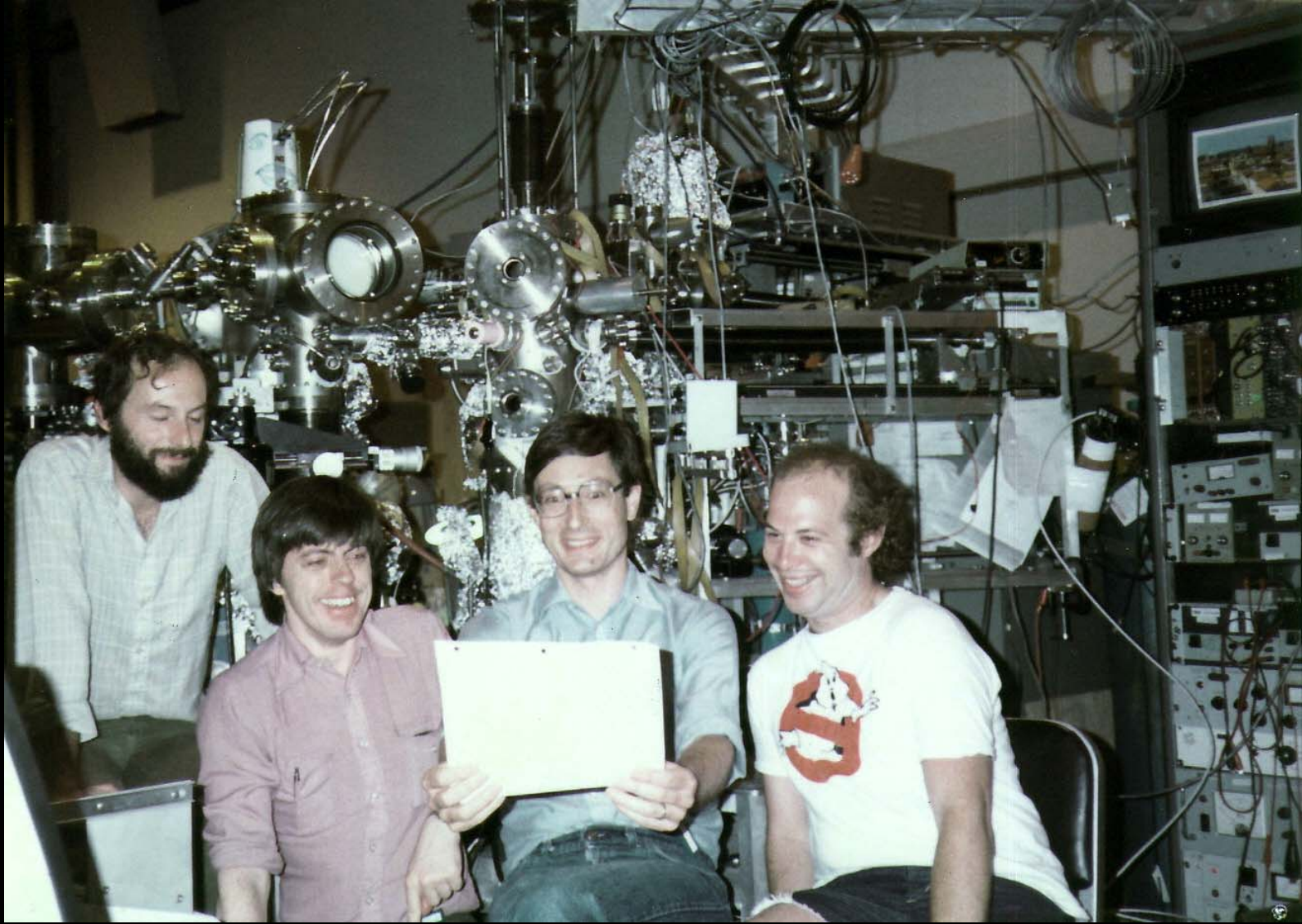


Canoeing in the Northwoods of Wisconsin



Physicists
Invading the
Northwoods





Brookhaven: Detlef Rieger, Ulf Karlsson, Yours Truly, Jory Yarmoff

Skiing Real Mountains at Alta (Utah) with Rudy Ludeke



First Light at the ALS in Berkeley:
Second to Fifth Harmonic at BL8

Dec. 10, 1993

Celebrating after a long shift with
Lou Terminello and John Carlisle





It is a pain to be the guinea pig at a new light source. But one can get away during downtimes and on weekends to see nice places.

Yosemite Valley



That's where I live now, with a view of 4000m mountains.