

The background is an abstract mosaic composed of various colored tiles and patterns. The primary colors are gold, red, and grey. There are several rectangular tiles with red borders. On the right side, there is a circular pattern with concentric red and gold rings. The overall texture is intricate and colorful.

**ZDENEK HERMAN**

**COLLEAGUES AND FRIENDS  
IN  
CHEMISTRY AND PHYSICS**

**1969 2005**

**DRAWINGS**

ZDENEK HERMAN

COLLEAGUES AND  
FRIENDS  
IN  
CHEMISTRY AND  
PHYSICS

**1969 – 2005**

DRAWINGS

**IV.**

**BOULDER**

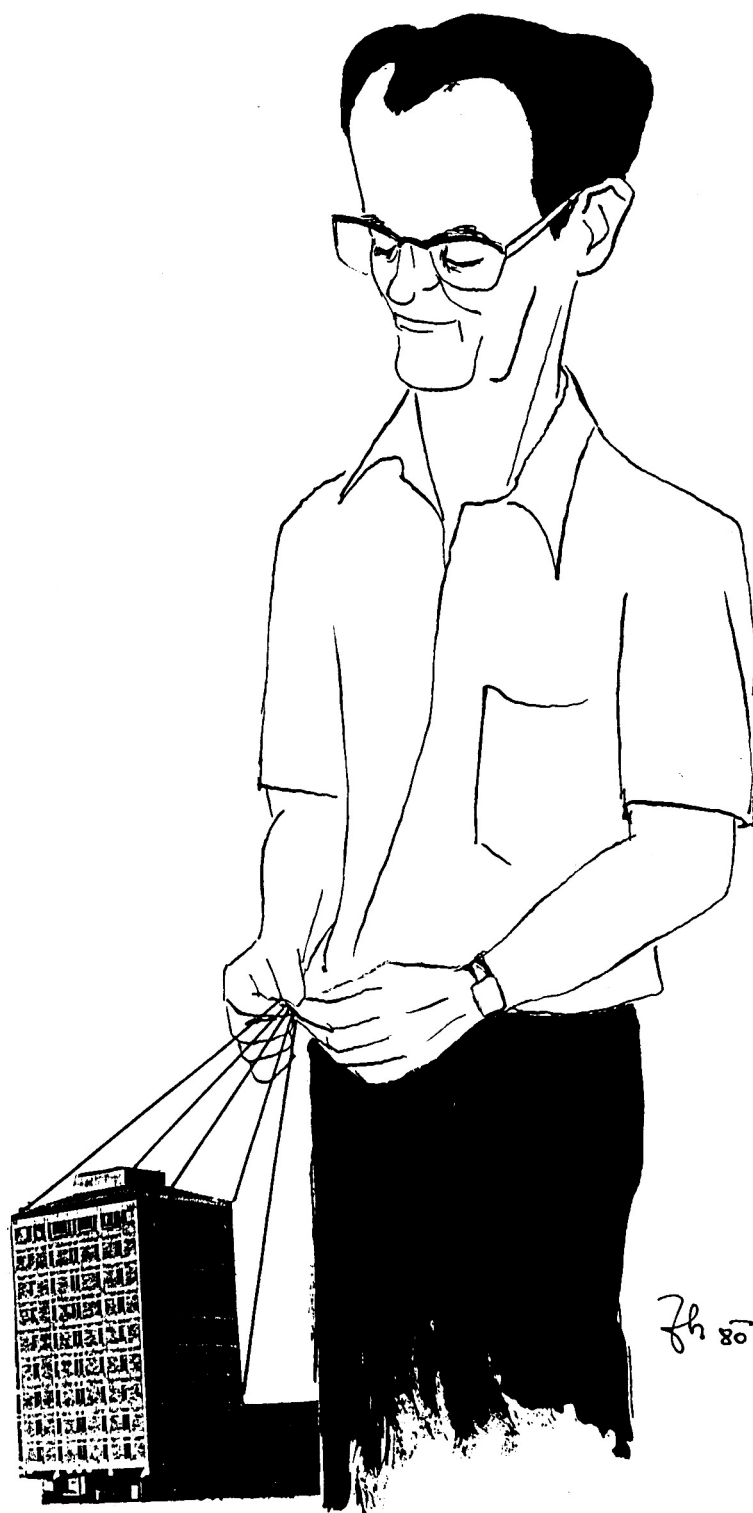
**JOINT INSTITUTE FOR LABORATORY  
ASTROPHYSICS**

**AND**

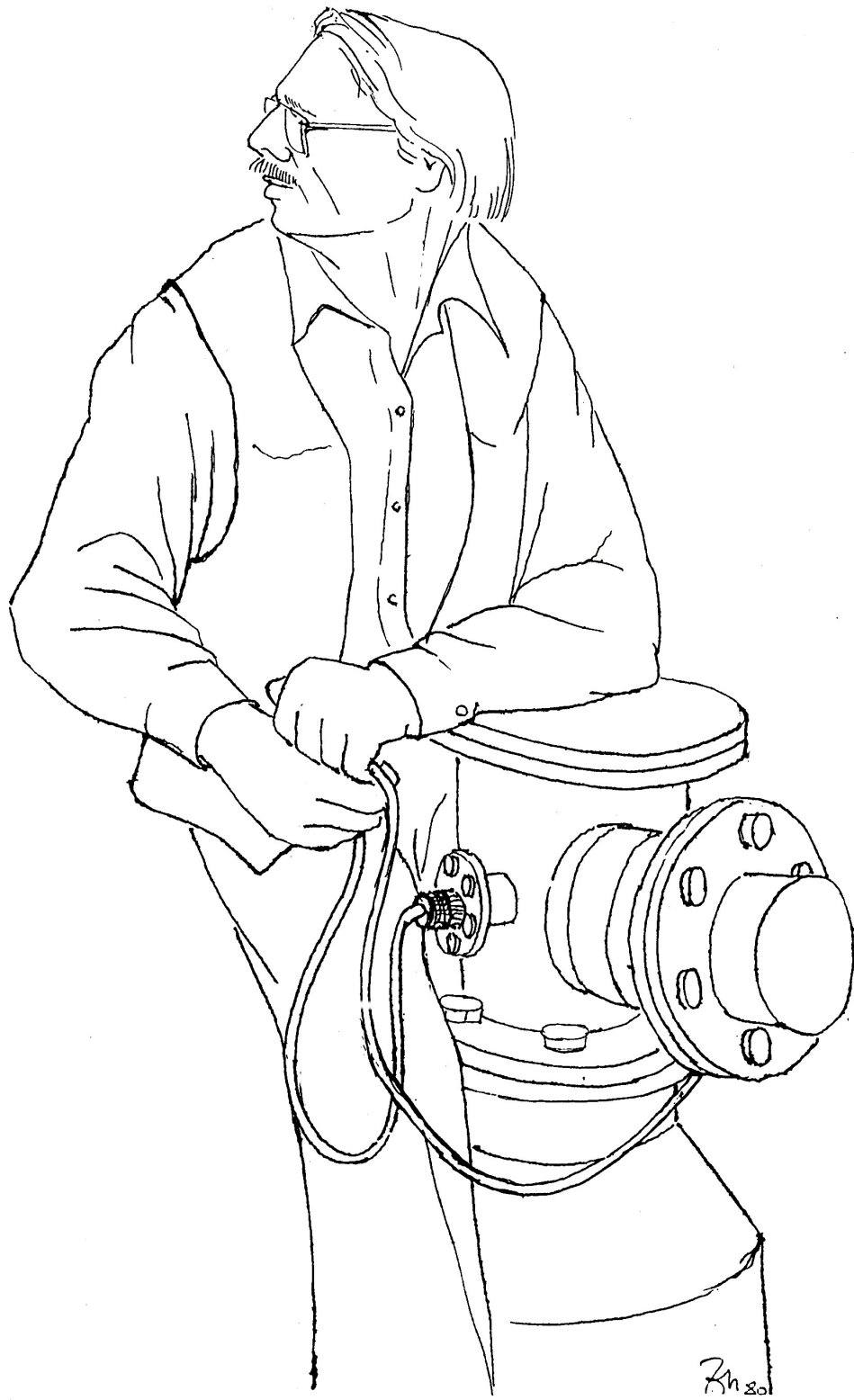
**UNIVERSITY OF COLORADO**

#### **IV. BOULDER: Joint Institute for Laboratory Astrophysics and the University of Colorado**

1. JILA 1980: Art's art (Art Phelps)
2. JILA 1980: Carl Lineberger holding the reins
3. JILA 1980: Good companions: Jan Hall and his lunchbox
4. JILA 1980: Syd Geltman
5. JILA 1980: Jinx Cooper, Summer modification
6. JILA 1980: Steve Smith, Chuck Feigerle
7. JILA 1980: Keith Burnett
8. JILA 1980: Visiting Fellows: Will Allis
9. JILA 1980: Visiting Fellows: Gert Leuchs (Germany), Manuel Menendez (U.S.A.), Abe Ben-Reuven (Israel)
10. JILA 1980: Beards and hairs of Steve Leone's group
11. JILA 1980: The FAIR (flowing-afterglow infra-red) people: Barney Ellison, Bob Squires, Tim Zwier, Jim Weisshaar, Veronica Bierbaum, Zdenek Herman
12. JILA 1980: Chuck Feigerle praying for a beam
13. JILA 2001: Chris Green
14. JILA 2001: David Nesbitt's group
15. JILA 2001: Part of Carl Lineberger's team: Tanya Ramond, San Yun Han, Mark, Taylor, Django Andrews
16. JILA 2001: S. Bililing (Visiting Fellow), Allan Gallagher, Blanksby&Blanksby
17. CU – Chemistry 1980: Eldon Ferguson
18. CU – Chemistry 1980: Eldon Ferguson watching the flow-tube centers
19. CU – Chemistry 1980: Chuck DePuy
20. CU – Chemistry 1980: Will Castleman
21. CU – Chemistry 1980: Barney Ellison, Bob Shapiro
22. CU – Chemistry 2001: Joe Michl with tinker toys



*JILA 1980: Art's art (Art Phelps)*



*JILA 1980: Carl Lineberger holding the reins*



*JILA 1980: Good companions: Jan Hall and lunchbox*

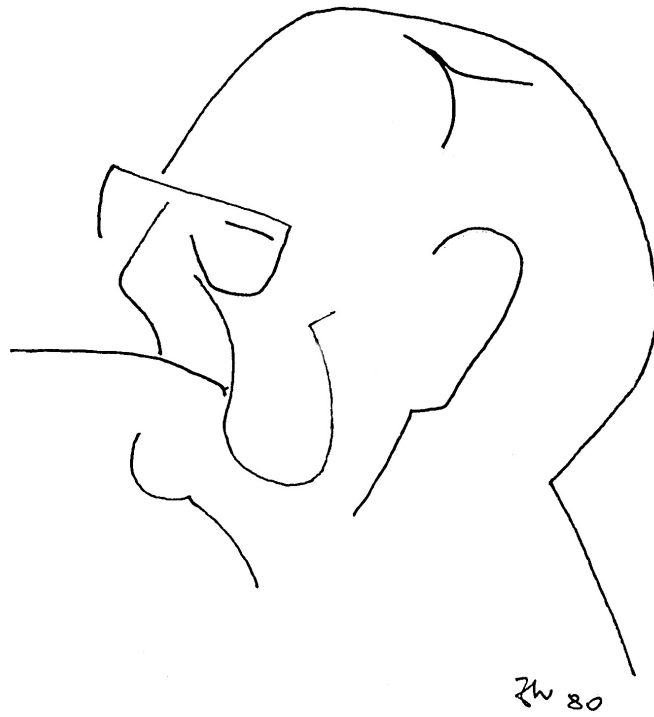


*JILA 1980: Syd Geltman*





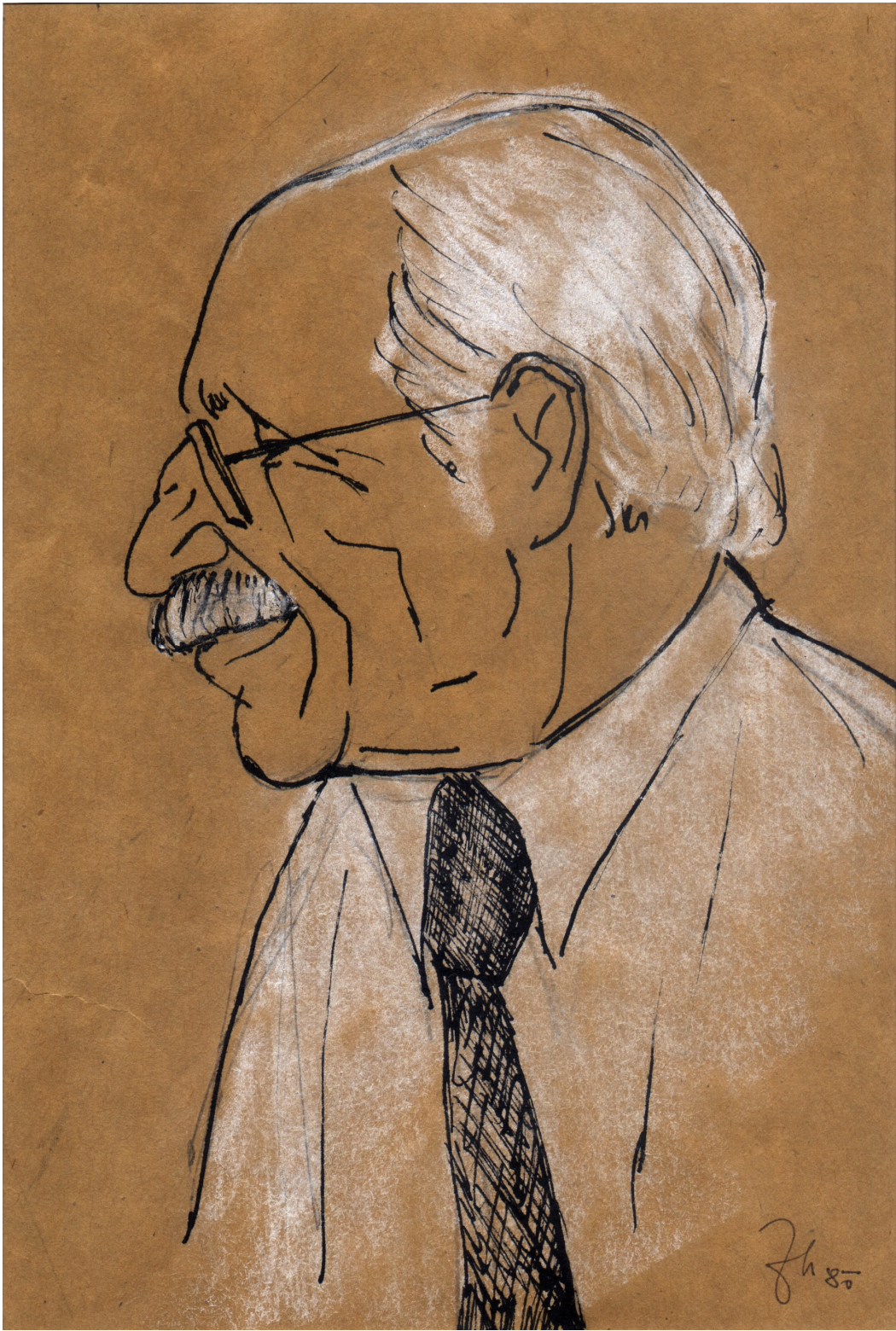
*JILA 1980: Jinx Cooper, Summer modification*



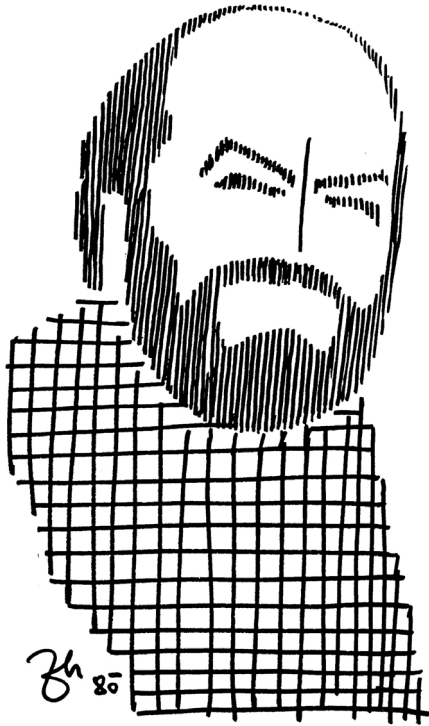
*JILA 1980: Steve Smith, Chuck Feigerle*



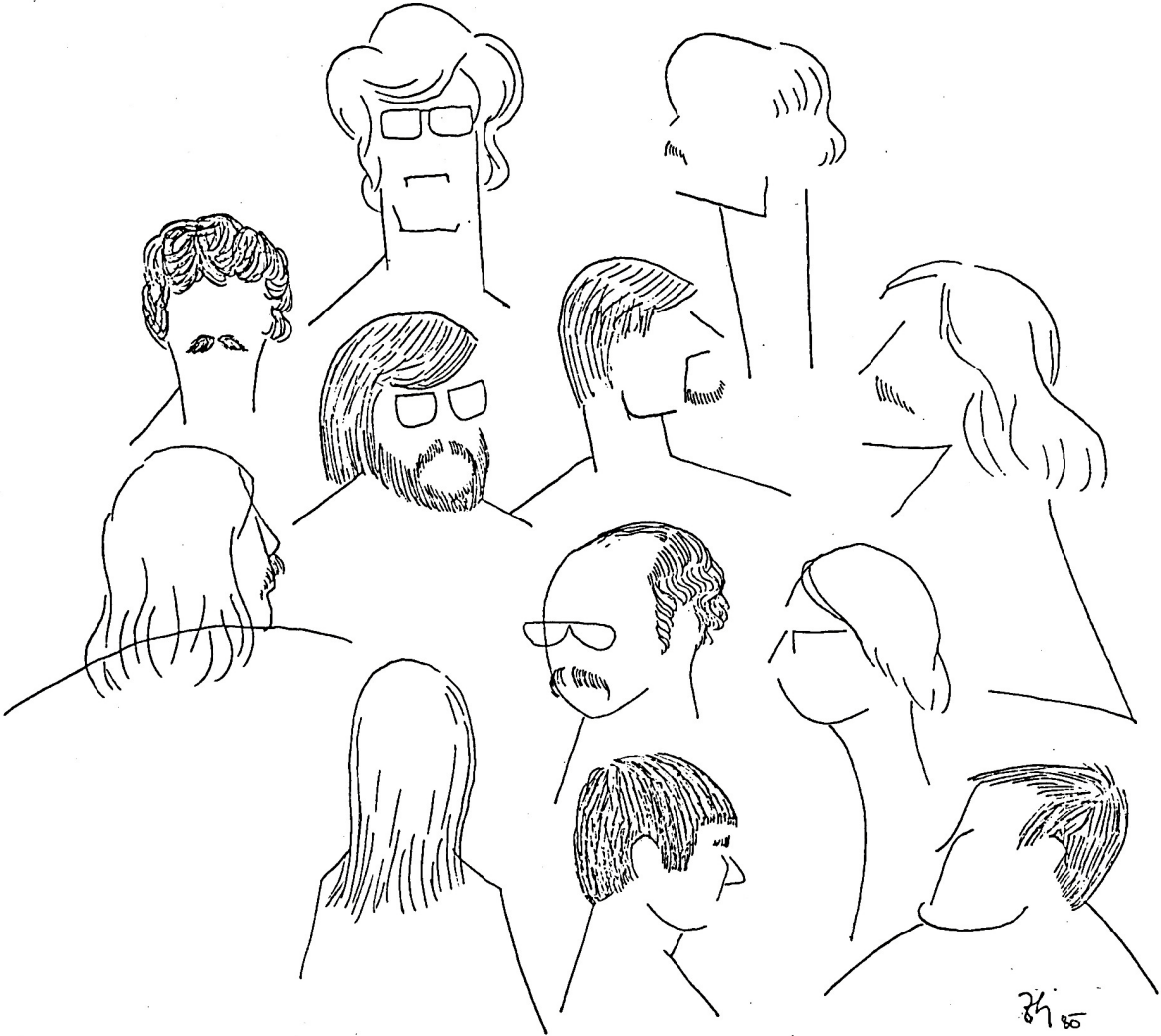
*JILA 1980: Keith Burnett*



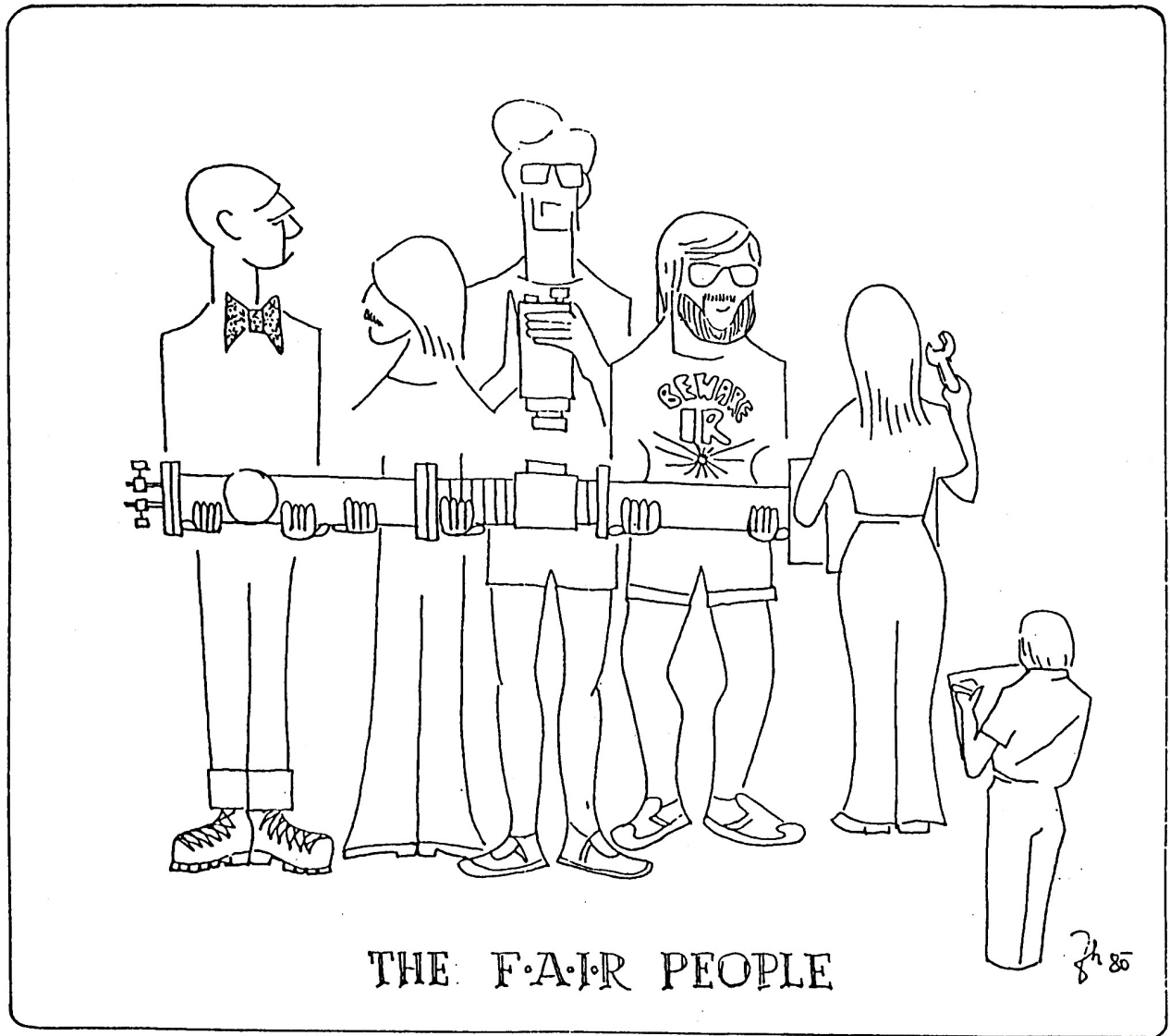
*JILA 1980: Visiting Fellows, Will Allis*



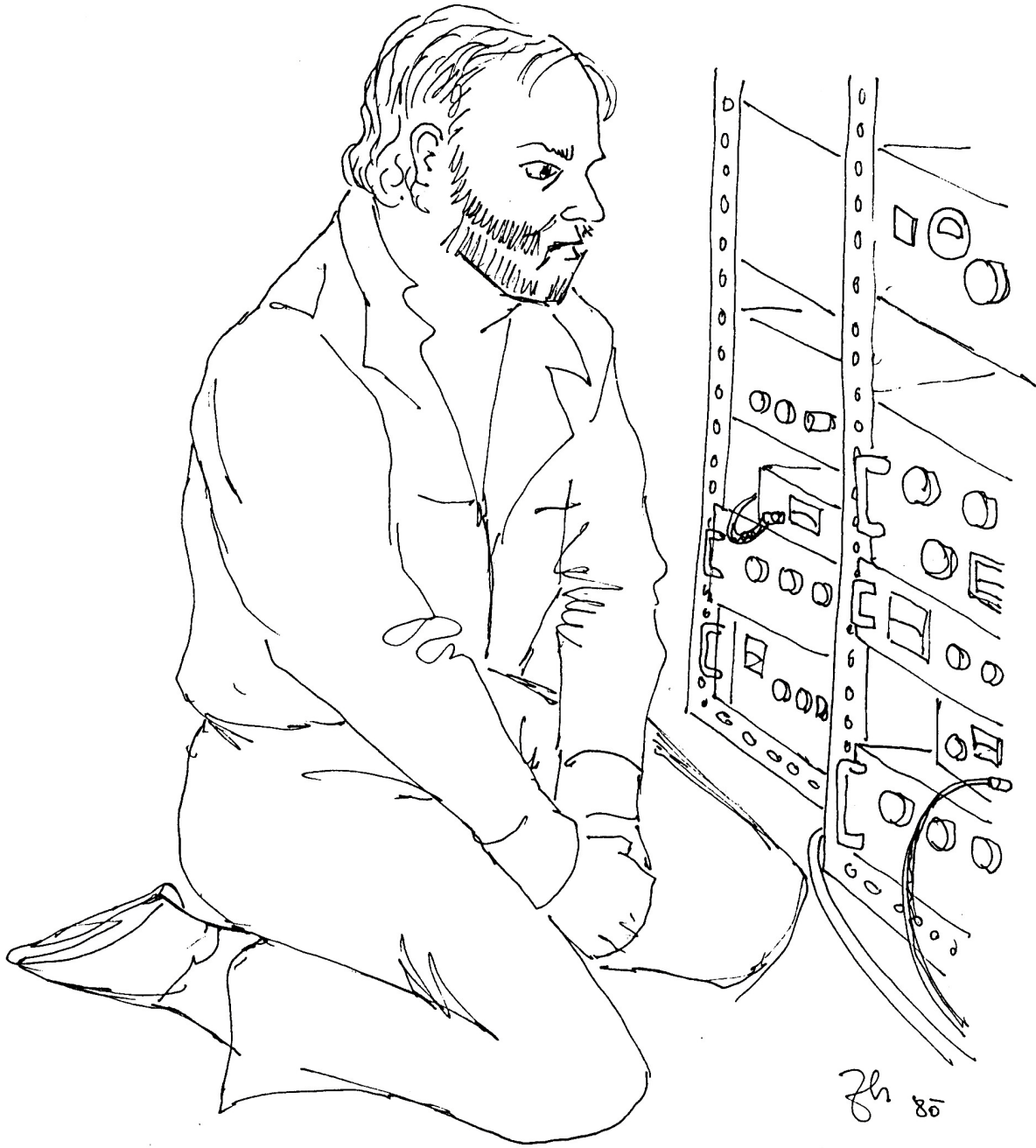
*JILA 1980: Visiting Fellows:  
Gert Leuchs (Germany), Manuel Menendez (U.S.A.), Abe Ben-Reuven (Israel)*



*JILA 1980: Beards and hairs of Steve Leone's group.*

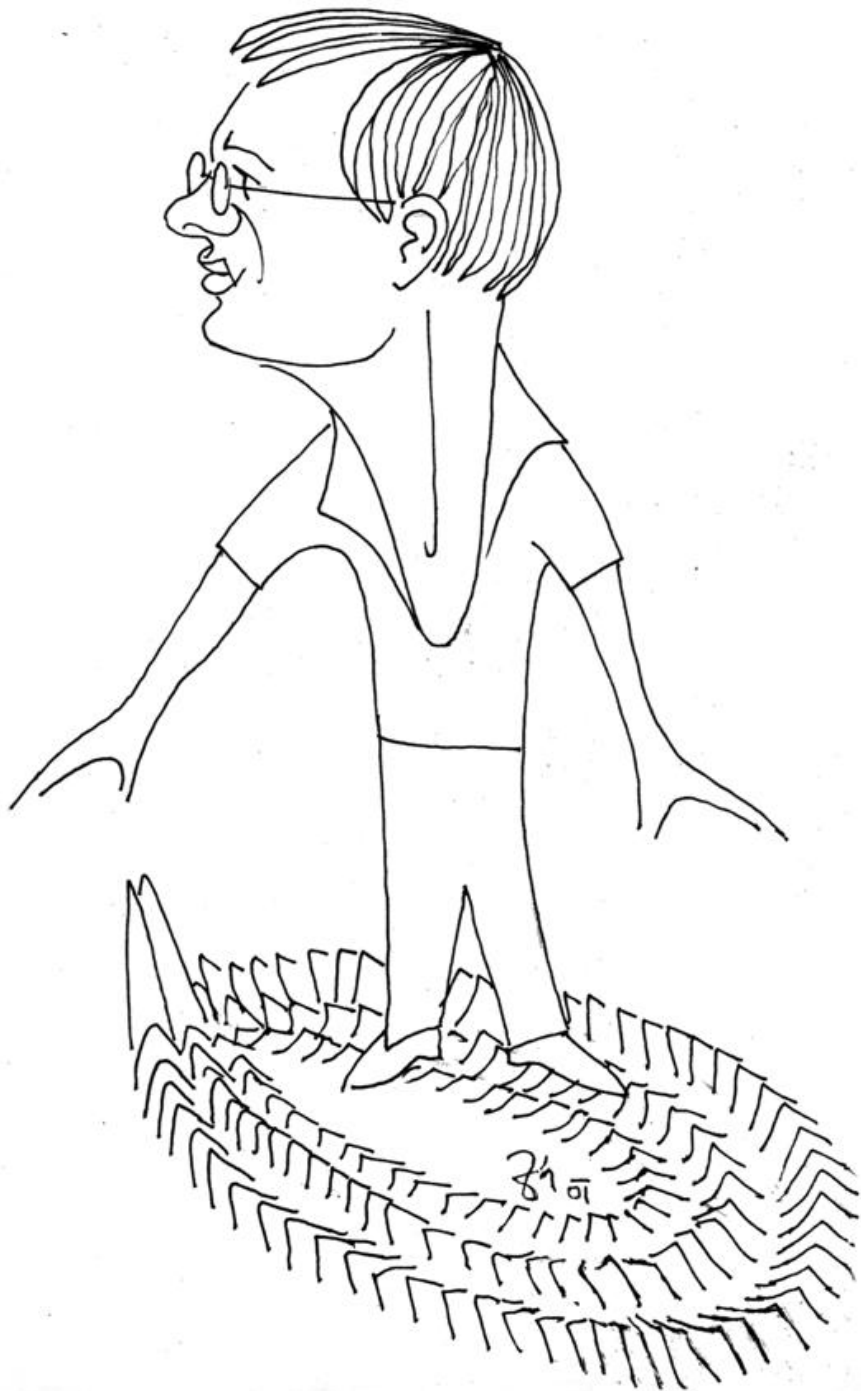


*JILA 1980: The FAIR (flowing-afterglow infra-red) people:  
Barney Ellison, Bob Squires, Tim Zwier, Jim Weisshaar,  
Veronicas Bierbaum, Zdenek Herman*

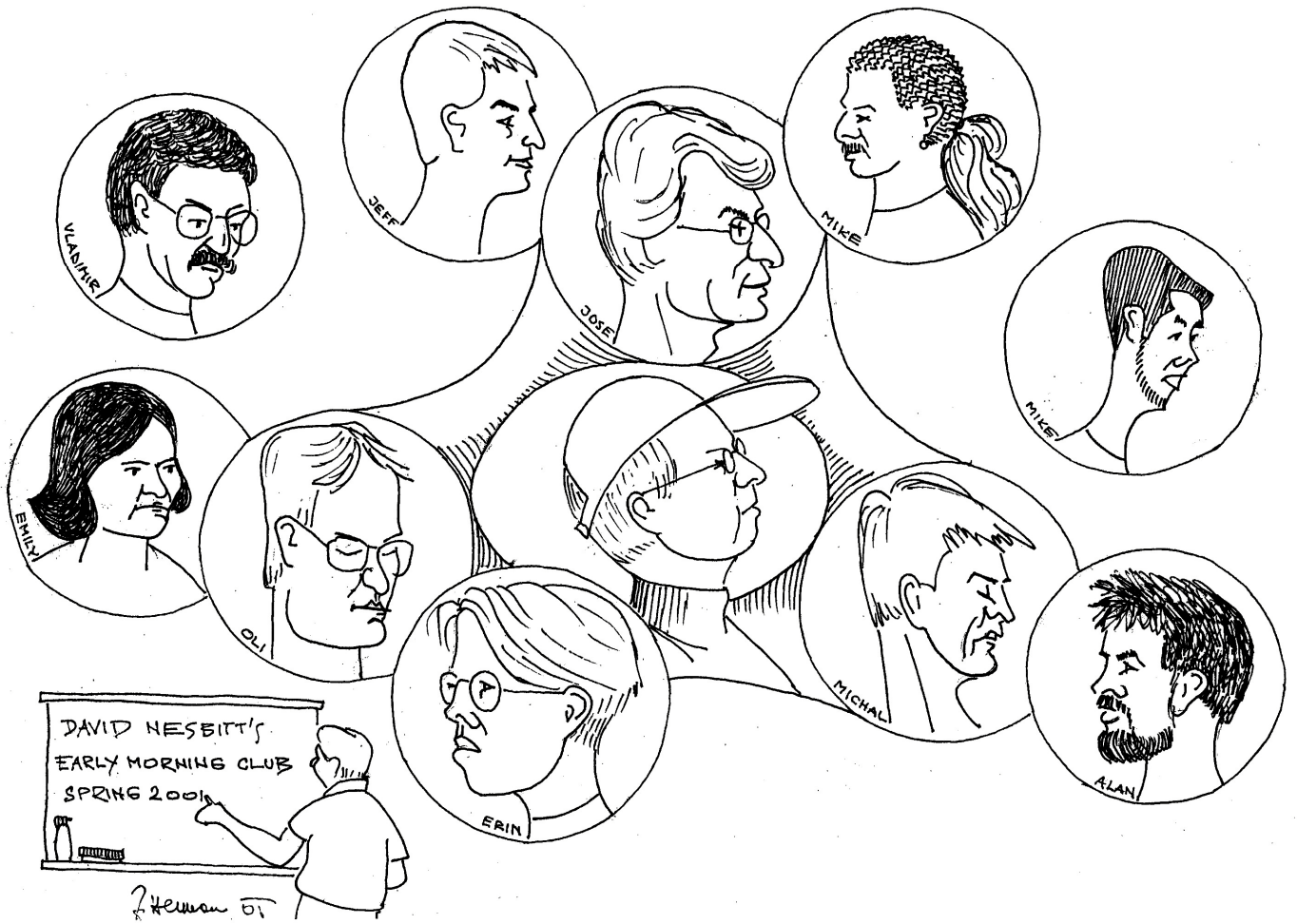


*JILA 1980: Chuck Feigerle praying ofr a beam*

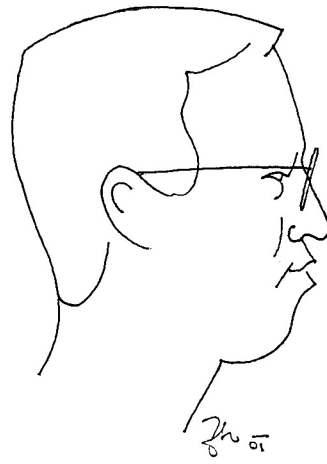
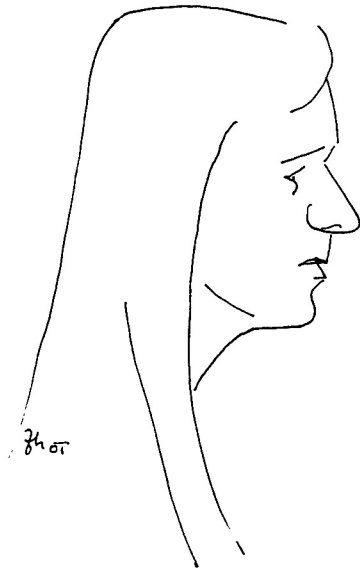




*JILA 2001: Chris Green*



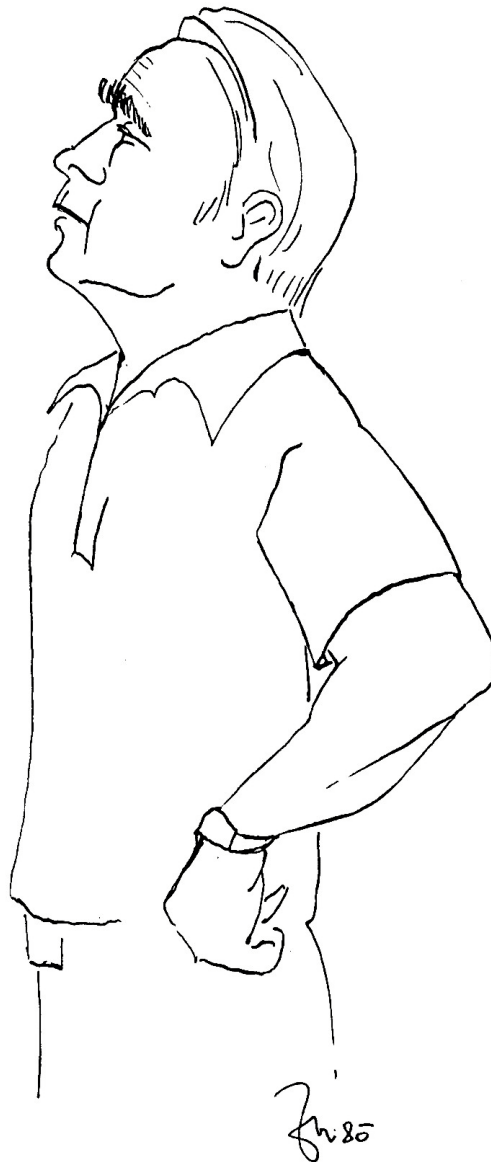
*JILA 2001: David Nesbitt's group*



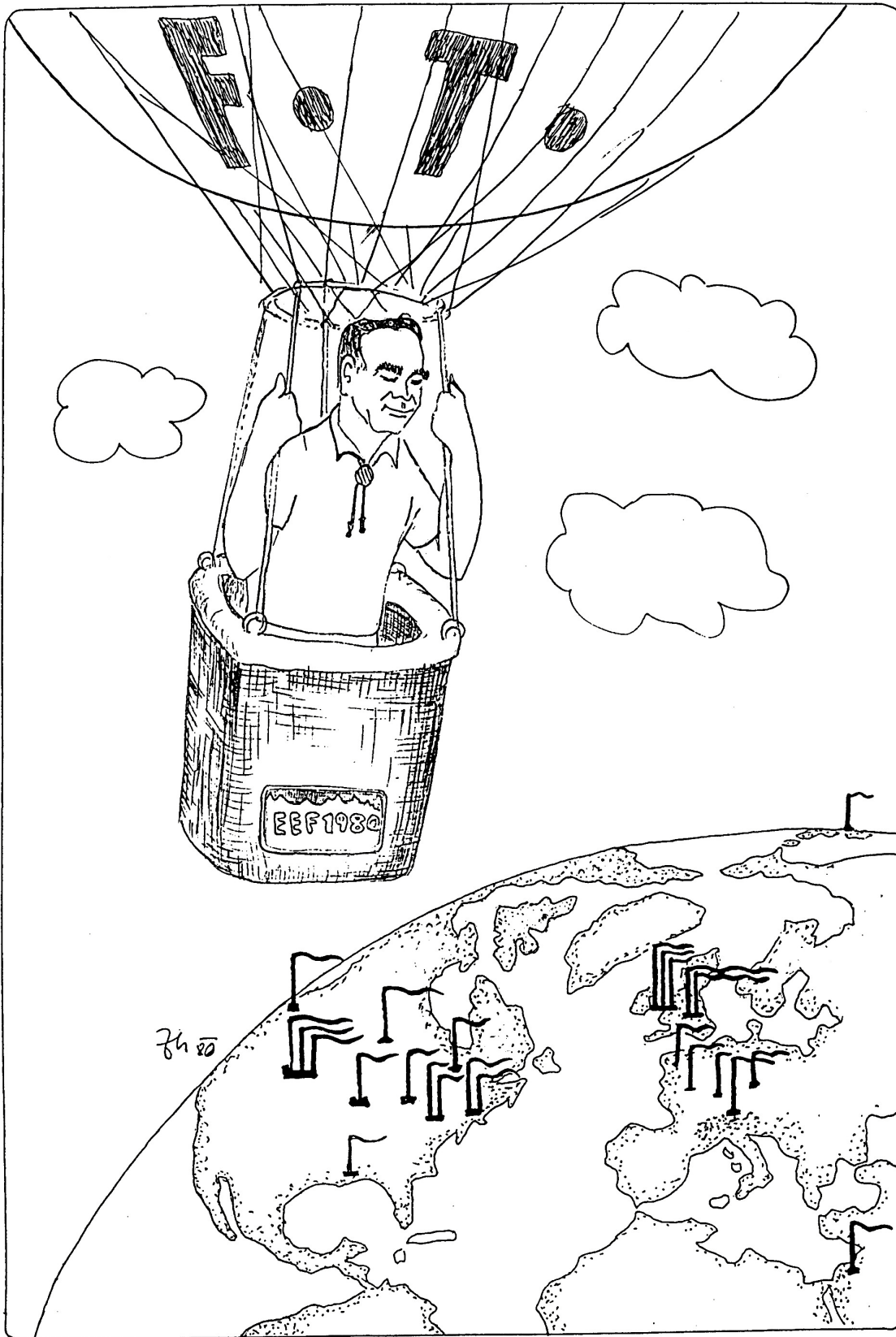
*JILA 2001: Part of Carl Lineberger's team:  
Tanya Ramond, San Yun Han, Mark, Taylor, Django Andrews*



*JILA 2001: S. Billiling (Visiting Fellow), Allan Gallagher,  
Blanksby&Blanksby*



*CU – Chemistry 1980: Eldon Ferguson*



*CU – Chemistry 1980:  
Eldon Ferguson watching the flow-tube centers*



*CU – Chemistry 1980: Chuck DePuy*



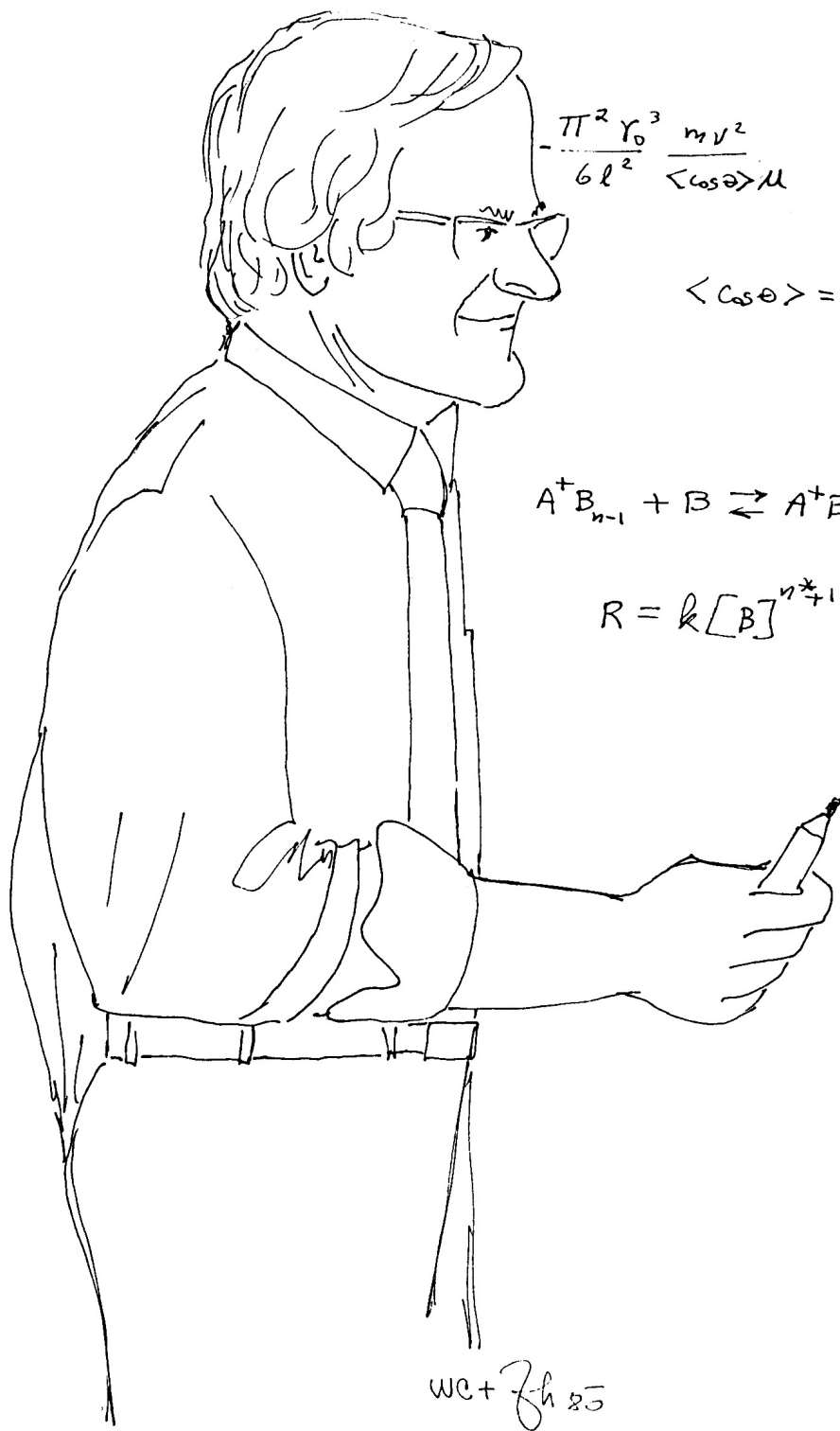
Sh 80



Sh 80

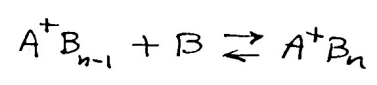
*CU – Chemistry 1980:  
Barney Ellison, Bob Shapiro*





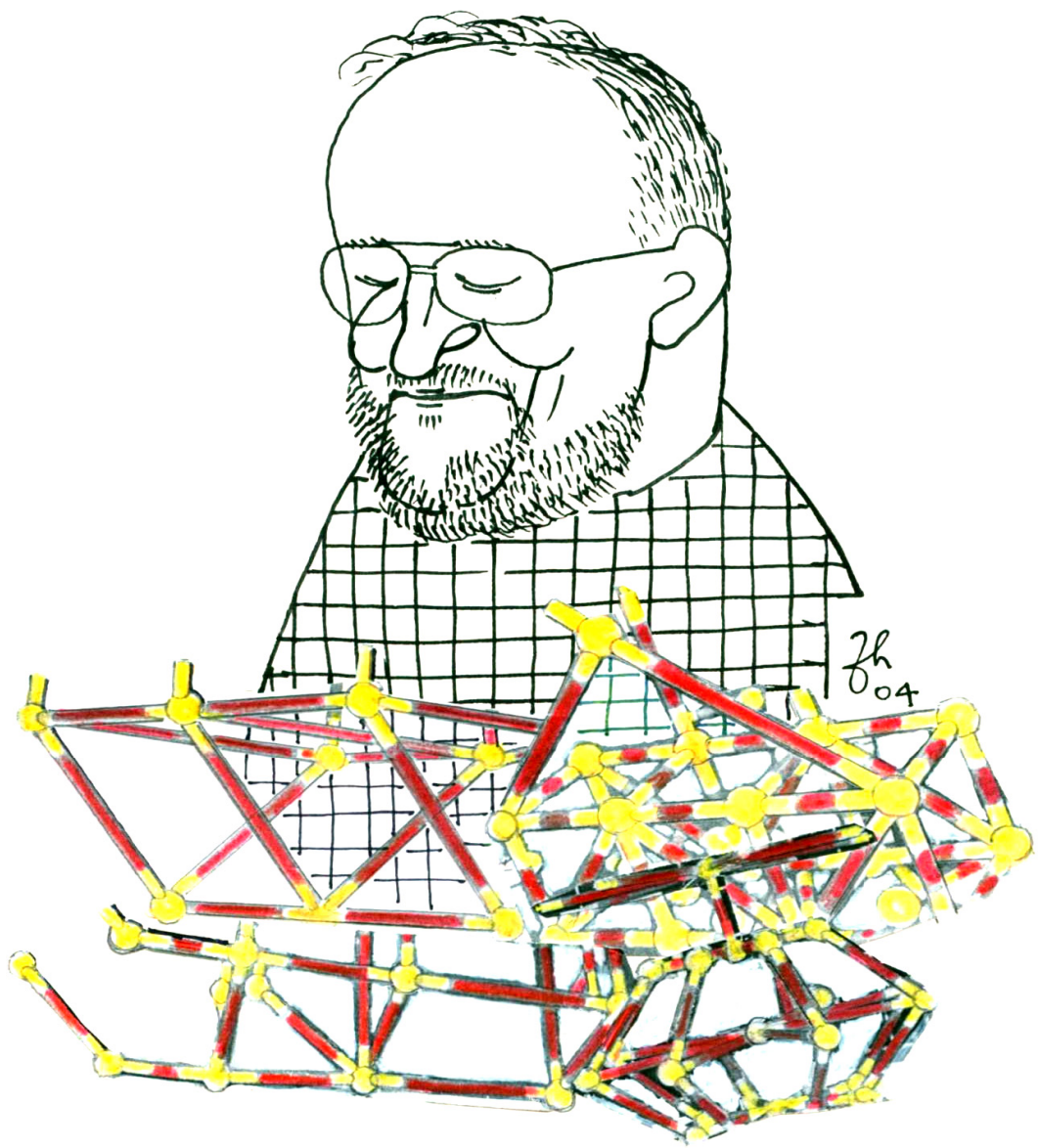
$$-\frac{\pi^2 \gamma_0^3 m v^2}{6 l^2} \langle \cos \theta \rangle \mu$$

$$\langle \cos \theta \rangle = \frac{m \cdot K}{J(J+1)}$$



$$R = k [B]^{n^*+1} \prod_{i=1}^{n^*} K_i$$

wc + fh 85



*CU - Chemistry, 2001: Joe Michl*