

#### BEHAVIOR ANALYSIS ASSOCIATION OF MICHIGAN

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Steven A. Graf, Ph.D. Department of Psychology Youngstown State Univ. Youngstown, OH 44555

Dear Steve:

On behalf of the BAAM executive committee, I would like to thank you for your excellent keynote address "On-charting Behavior and the World" which you delivered last Friday. The reaction to your talk was very positive by everyone I talked to. In fact, many people kidded me that you are even more into charting and record keeping than I am! They could see why I selected you to be our keynote.

Charting Behavior and the World 22 March 1991

SOME THEMES AT YA! (A)

Behavior Analysis Association of Michigan Keynote

Peat Themes: What I have to say

Huge Cludthunker to Hi-tech Gizmo: ephemeralization Doing whore with less and less

Inner behavior by you will help me keep these

to my right/ to my left

Background themes:

INFORMATION INCREASING BY MULTIPLYING

Show chart of Anderla

Show chart of scientific progress

B) THEMES

New Information is resisted

Fundamentalism Quote

C) Needs vs. Wants

Dependable transportation vs Laser printer

REpeat Main Theme

Handle information QUICKER and BETTER

Better = See stuff otherwise missed completely

Missssed Compleeeeetely

Our intake of information can be limited by our processing speed Maximal accuracy and maximal intake speed will be accomplished by standard ...

Clinging to old behaviors will likely prevent

Schematic of People

Skinner - Fuller - Lindsley - Porter

BF Skinner Quote Example 1 Buckminster Fuller

Background on Bucky

Couple of SCC charts w/out explanation

The Dymaxion Earth-Sky-Ocean Map

Globes and maps

Mercator Projection

Fuller Projection

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How you get faster with familiarity

Examples of Data on Map

Discovery catalyzed by Dymaxion Map

World Game in place of War Games

World Energy Grid

Wealth and units of money

(F) Example 2.Thomas Maithus

Birth rate increasing by \*; Resources increasing by +

Fuller monitors world data too Fuller Quote and charts backing it Mention Critical Path Come Back to this with SCC late Switching Gears Closer to Home Example 3. Ogden Lindsley Basic Contributions Extended frequency (Celeration) Standard Chart for all behavior and behavers \*2 Corner to Corner Fuller Daily, Weekly, Monthly, Yearly Cases Plain Language Find words that compel the appropriate interpretation whole Word Frequency, Celeration, Bounce, Jumps, Turns Crucial for Behavior Analysis THE HEAVY Stuff Reinforcement/Punishment not precise enough N Need new car JUMOS turass The Categories 31 Example 4. Kathy Porter IABA charts recharted on SCC Show Original Show SCC Rechart Example 5. Charting One's Own World 0 Charting "accomplishments" (Tom Gilbert) or products Fuller did. Example here recharted on SCC Professional Student SAFMEDS Daily Student Grades Yearly Student Ratings Yearly Financial Earns salary (YEARLY) Pays Bills (MONTHLY) Phone Electricity Gas Water Credit card Sports? Career Baseball (YEARLY) Compare to Cobb and Rose? Running Cycles on monthly? Basketball Cycling

TAKE IT UP Driving?
Ping Pong
Example 6. Finale: The World
Back to Fuller's Quote
Rechart on SCC
Show Charts

REPEAT THEME

Describing behavior change as increase or decrease appears inadequate.

"Counterturns" have both an increasing and decreasing effect

"Science, Technology, and Quality Require Standards."

- Ogden Lindsley

"Care enough to chart!"

- Ogden Lindsley

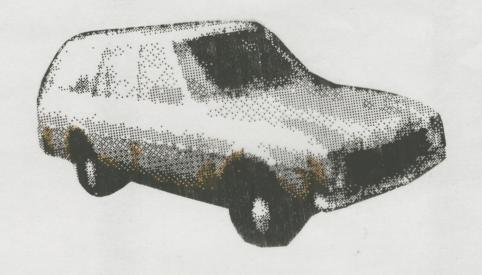
We behavior analysts need to handle information quicker and more accurately

# Charting Behavior and the World

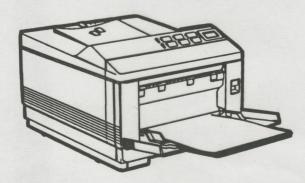
Stephen A. Graf Youngstown State University

# Information Increasing by Multiplying

How can you keep pace?



NEED: Dependable transportation



WANT: Laser printer for computer

#### **Fundamentalism**

Refusal to part with belief despite data favoring another system

- Ignore the data
  - Deny the data
- Ridicule the data or data-gatherer

"In choosing rate of responding as a basic datum and recording this conveniently in a cumulative curve, we make important temporal aspects of behavior visible.

Once this has happened, our scientific practice is reduced to simple looking."

- Skinner, B.F. A case history in scientific method. American

Psychologist, 1956, 11, 221-223.

Monitoring Standards 1

#### STANDARD CELERATION TM CHARTS

A standard chart set with:

 Frequencies up the left on 6 cycle X 10 scale.

 Calendar time on bottom synchronized on + scale.

• 8 x 5.25 " grid fits screens.

• 34° angle is doubling each Celeration Period™.

Ogden R. Lindsley

Monitoring Standards

#### STRETCH TO FILL CHARTS

Unique chart for each case with:

- Frequencies up the left on + or X scale, truncated and laminated to fill screen.
- Sessions across bottom on + scale, truncated and laminated to fill screen.
- Start at case birthdate, not calendar synched.

Ogden R. Lindsley

#### SCC MONITORING ADVANTAGES

- Time saving 2 min / chart.
- Directly see effect quantities.
  Easily project outcome date.
- · Compare with other cases.
- Separate jumps from turns.
  Discover variables from:
- - · celeration changes.
  - · exceptional days.
- · Combine cases in meta charts.

#### STFC MONITORING DISADVANTAGES

- Time consuming 20 min / chart.
- Cannot see effect quantities.
  Cannot project outcome date.
- Cannot compare progress with other similar cases.
- Variance skewed and not homogenous.
- · Cannot combine cases in a collective chart.

For more information on Standard Celeration Charting:

The Standard Celeration Society
P.O. Box 169
Nonantum, MA 02195

The Journal of Precision Teaching Center for Individualized Instruction Jacksonville State University Jacksonville, AL 36265 For more information on Buckminster Fuller or the World Game:

The World Game Institute 3508 Market Street Philadelphia, PA 19104 (215) 387-0220

Buckminster Fuller Institute 1743 South La Cienega Blvd. Los Angeles, CA 90035 (213) 837-7710

## Fuller's Dymaxion Map

whole planet earth's geography:
 displayed
 on one flat surface
 without any visible distortion
 in shape or size
 and
 without any breaks in its
 continental contours

one-world island in one-world ocean

#### Database:

inventory of physical resources of earth, behaviors, trends, vital needs, etc.

How to make the total world work successfully for all of humanity

The World Game

### Map Projections

- Mercator
- Polyconic
- Polar azimuthal
- Dymaxion Sky-Ocean

#### Most frequently used?

#### 4 Problems?

· Greenland · N. America · Antarctica · 24000 mi. gap

# Best map of the world?

Globe: the bigger the better?

 the bigger the globe, the less of its surface you can see and read at any one time

# A world electrical-energy network grid

Deliver electric energy anywhere to anyone at anytime at one common rate

- Buckminster Fuller

#### **Fundamentalism**

Refusal to part with belief despite data favoring another system

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### B. Fuller's Dymaxion Map

Nonvisibly distorted,
one-world-island-in-one-world-ocean,
90° longitude-meridian backbone,
north-south oriented,
sky-ocean
world map