The History of OBM: Behavior Analysis at Work





McKaela O'Brien Western Michigan University





The Historical Roots of Organizational Behavior Management in the Private Sector: The 1950s-1980s

Dr. Alyce M. Dickinson (2000)

Journal of Organizational Behavior Management (JOBM)

The main influences that led up to OBM



OBM Articles and Books in the 1950's

- 1953 Skinner, B. F. *Science and human behavior* (Chapter XXV, Economic Control). New York: Free Press.
- 1954 Skinner, B. F. The science of learning and the art of teaching. *Harvard Educational Review*, 24, 86-97.
- 1958 Skinner, B. F. Teaching Machines. Science, 128, 969-977.
- 1959 Ayllon, T. & Michael, J. The psychiatric nurse as a behavioral engineer. *Journal of the Experimental Analysis of Behavior*, 2, 323-334



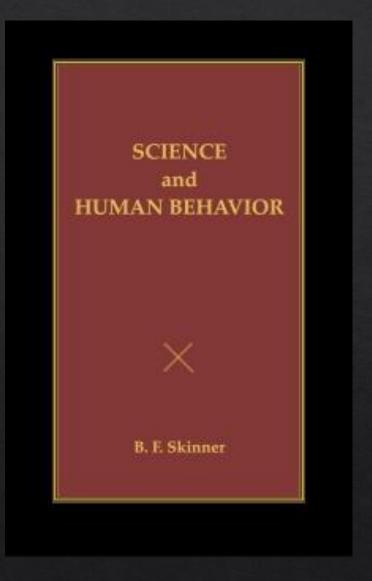
Where it all began... OBM in the 1950's

Science and Human Behavior (1953)

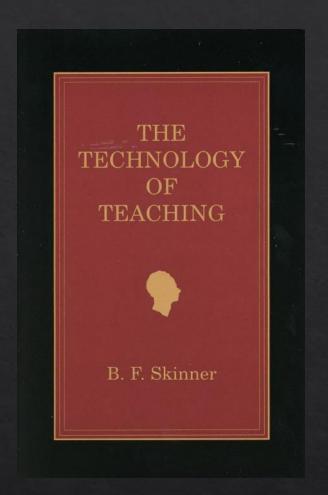
Chapter 25: Economic Control

- ♦"Wage Schedules"

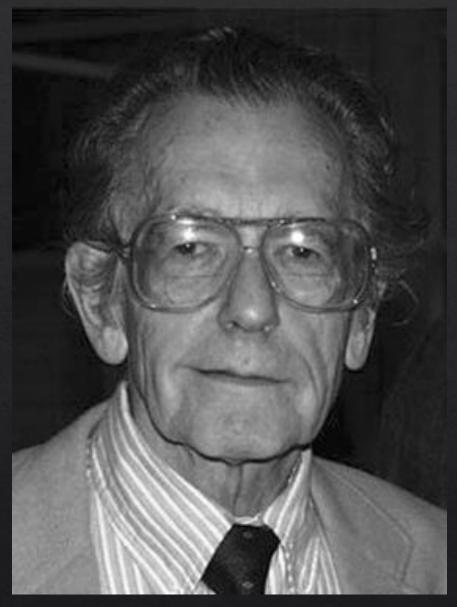








Programmed Instruction



Grandfather of OBM

Jack Michael

Applied Behavior Analysis



THE PSYCHIATRIC NURSE AS A BEHAVIORAL ENGINEER
TEODORO AYLLON AND JACK MICHAEL
UNIVERSITY OF HOUSTON



Programmed Instruction/Training -> Performance Management



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OBM Articles and Books in the 1960s

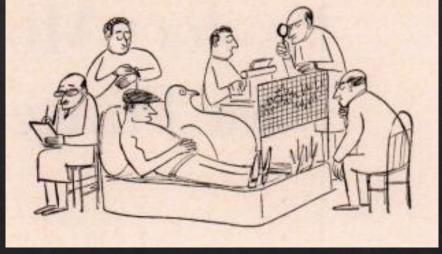
- 1961 Holland, J. G., & Skinner, B. F. *The analysis of behavior*. New York: McGraw-Hill.
 - 1961 Aldis, O. Of pigeons and men. *Harvard Business Review*, 39, 297-300.
- 1965 Nathan, P. E., & Wallace, W. H. An operant measure of TV commercial effectiveness. *Journal of Advertising Research, 5,* 13-20.
 - 1966 Brethower, D. M. & Rummler, G. A. (1966). For improved work performance: Accentuate the positive. *Personnel 43*, 40-49.
 - 1966 Ulrich, R., Stachnik, T., & Mabry, J. (Eds.). *Control of human behavior (*Chapter 9: Modification of behavior in industry and advertising, 3 articles). Glenview, IL: Scott, Foresman.
 - Nord, W. R. Beyond the teaching machine: The neglected area of operant conditioning in the theory and practice of management. *Organizational Behavior and Human Performance*, *4*, 375-401.

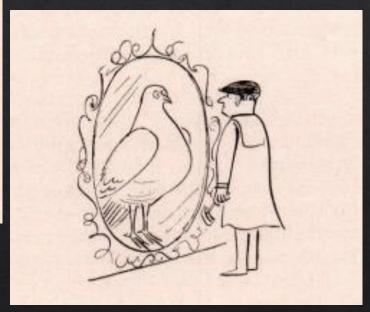






"Of Pigeons and Men" by Owen Aldis (1961)







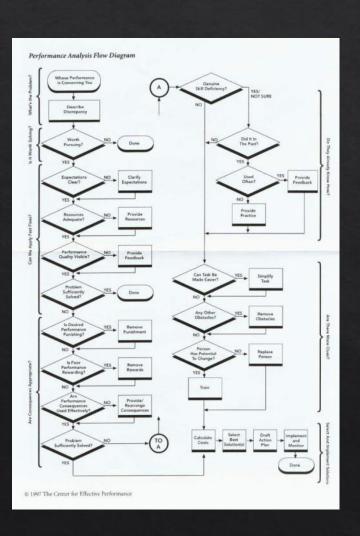
Formation of the National Society for Programmed Instruction

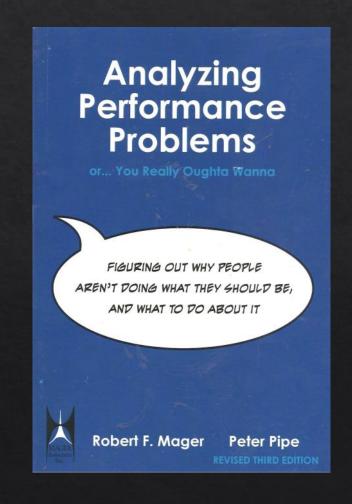
Now called...

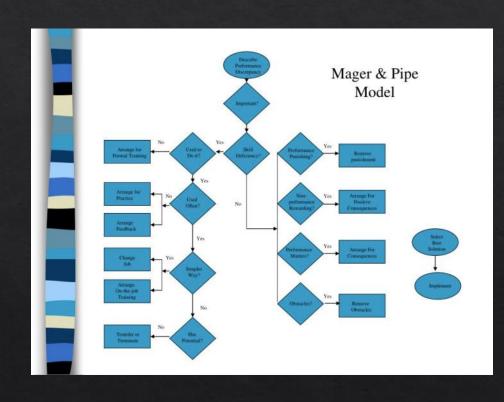




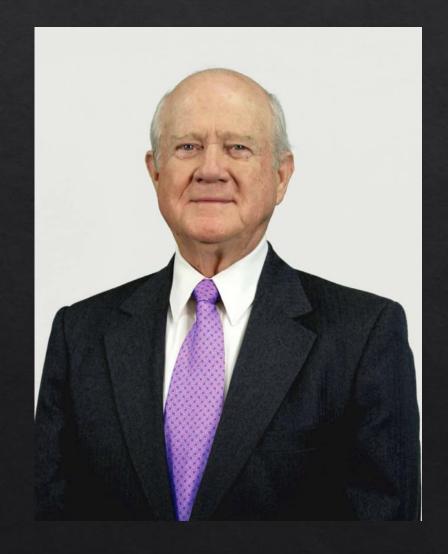
Robert Mager & Peter Pipe

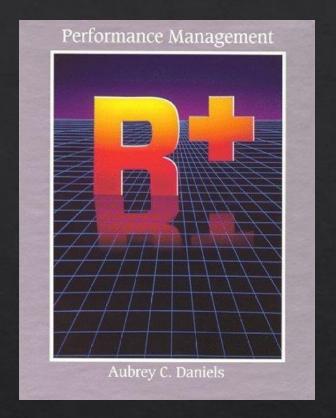






Aubrey Daniels





AUBREY C. DANIELS ringing Out the Best in PEOPLE

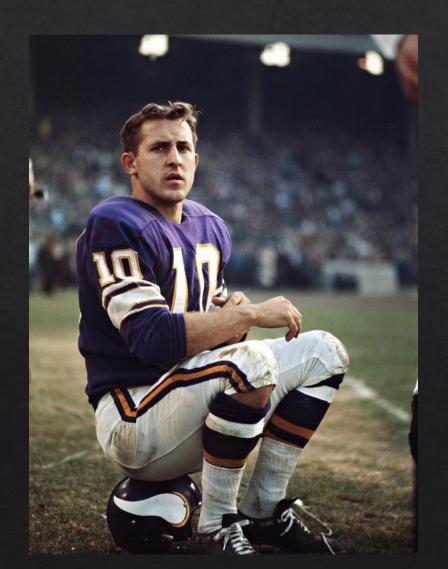
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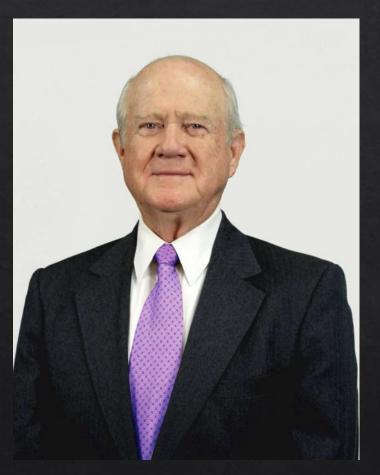


ADI Aubrey Daniels International **Bringing Out the Best**

Fran Tarkenton



Aubrey Daniels



Industrial Education Development Corp.

Behavioral Systems, Inc. (BSI)

Fran Tarkenton





Performance Management > Behavioral Systems Analysis

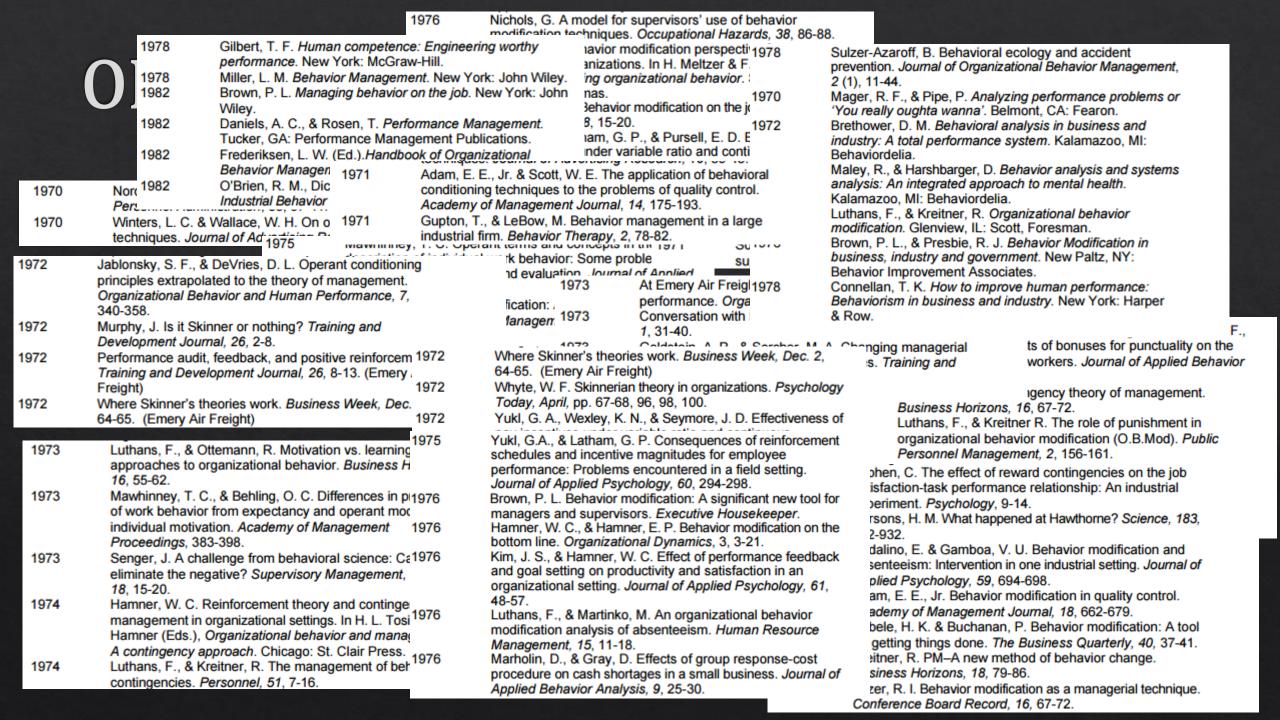


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Behavioral Systems Analysis

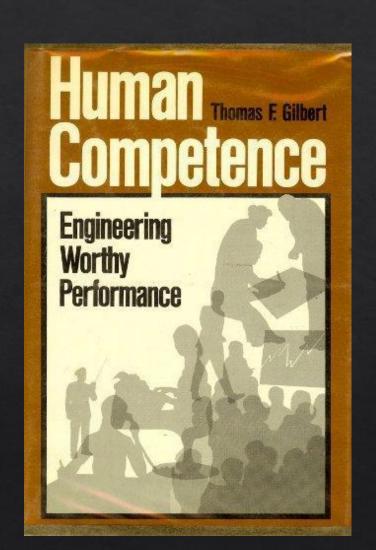


Thomas Gilbert

Draft version submitted to Performance Improvement for publication. 2

Behavior Engineering Model				
	Information	Instrumentation	Motivation	
Environmental Supports	Data 1. Relevant and frequent feedback about the adequacy of performance 2. Descriptions of what is expected of performance 3. Clear and relevant guides to adequate performance	Resources 1. Tools and materials of work designed scientifically to match human factors	Incentives 1. Adequate financial incentives made contingent upon performance 2. Non-monetary incentives made available 3. Career-development opportunities	
Person's Repertory of Behavior	Knowledge 1. Systematically designed training that matches the requirements of exemplary performance 2. Placement	Capacity 1. Flexible scheduling of performance to match peak capacity 2. Prosthesis 3. Physical shaping 4. Adaptation 5. Selection	Motives 1. Assessment of people's motives to work 2. Recruitment of people to match the realities of the situation	
igure 1:	igure 1: Behavior Engineering Model, Human Competence: Engineering Worthy Performance, 1978, p. 88.			





$$PIP = \frac{W ex}{W typ}$$

Potential to improve = performance

Exemplar worth Typical worth

Worth = value of accomplishment / cost of behavior

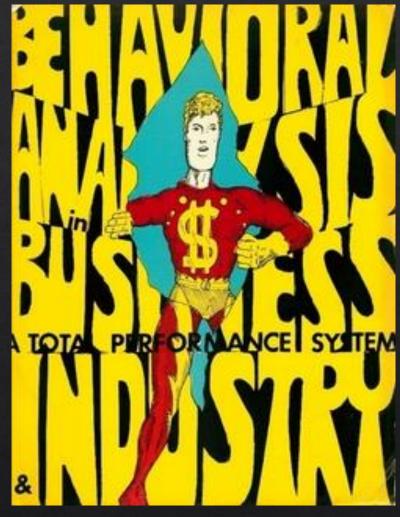
Geary Rummler



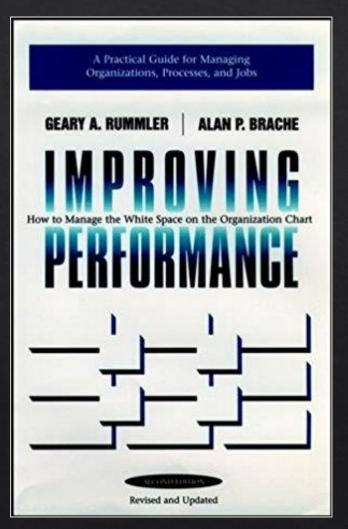
Dale Brethower



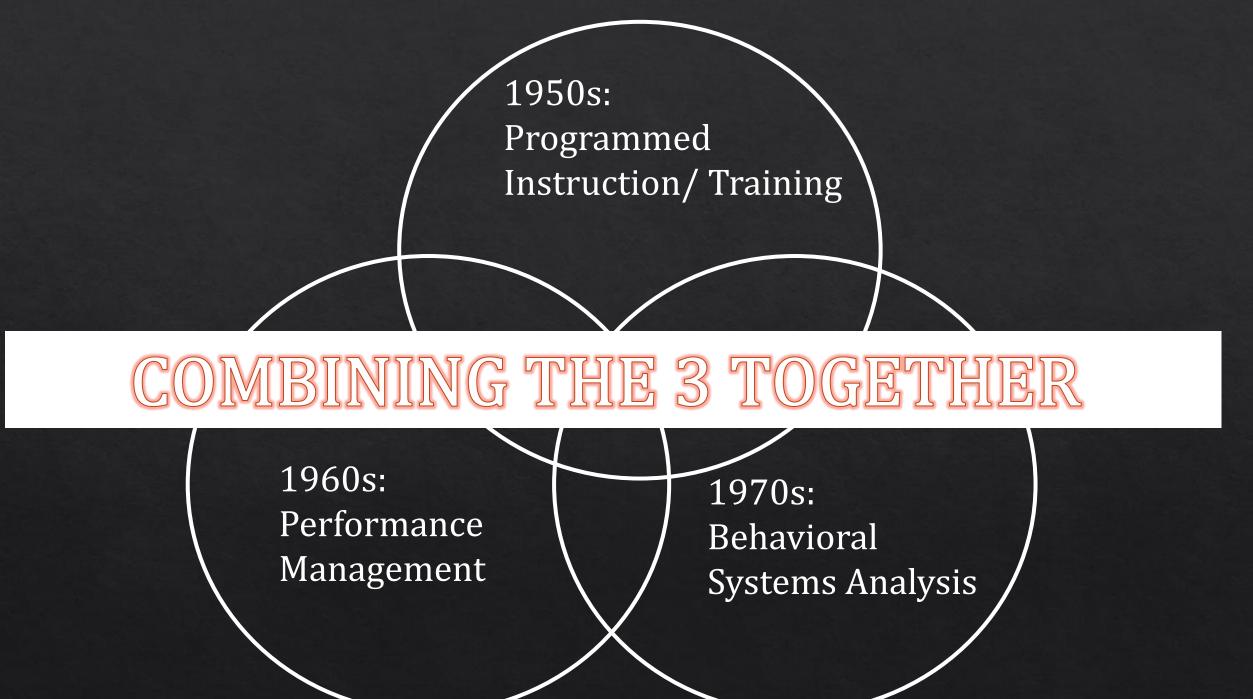
Behavioral Systems Analysis Books



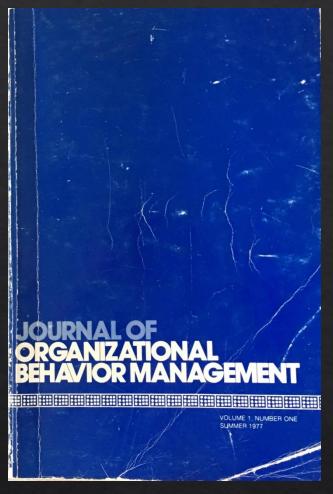
By Dale Brethower



By Geary Rummler

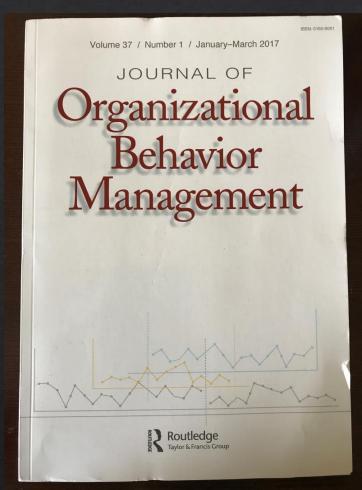






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Professional Organizations



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THANK YOU!



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