

"Questions Concerning Three Levels of Information Theory and the Trinity."

by

Frederick B. Wood, Ph.D.\*

The structuring of three levels in Information Theory as outlined by Warren Weaver and the doctrine of the trinity adopted by the First Ecumenical Conference in 325 A.D. pose some questions as to their possible relationship. Perhaps some of the concepts of the psychiatrist Dr. C. G. Jung can be of help in interpreting these correlations. It was Professor Williams, now of Harvard Divinity School, who first suggested to me that the doctrine of the trinity had some social value that might not be apparent from a physical science analysis.

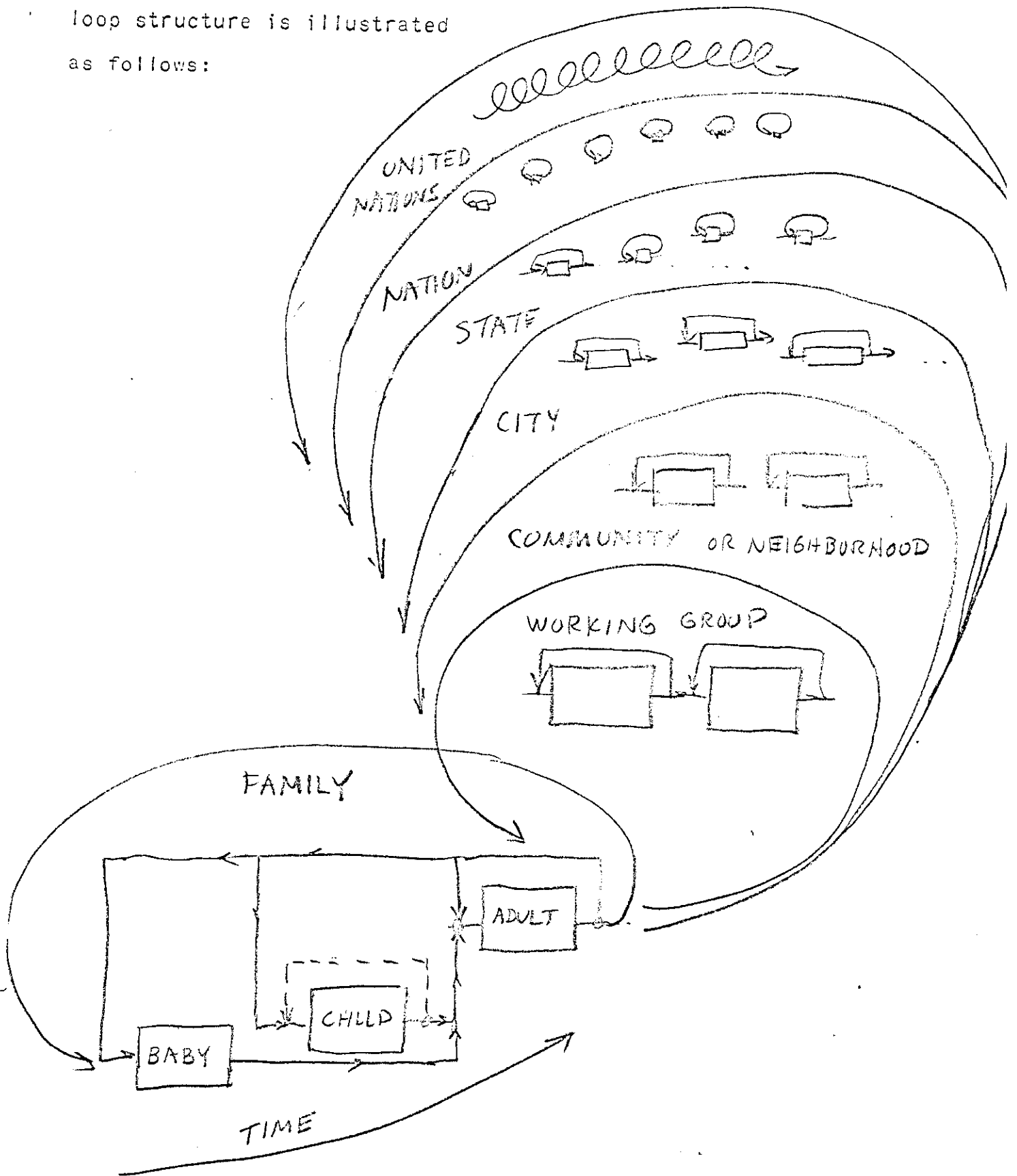
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| <u>Doctrine of the Trinity (Religion)</u>                 | <u>Ethics Based on Philosophy</u> | <u>Levels of Information Theor</u>  |
|---|-----------------------------------|---|
| Father (creative force)                                   | Observed Facts                    | Technical (observed events and generaliz laws deduced from observed events)               |
| Son (change or transformation, relationship to other men) | Logical Truth                     | Semantic (logical tru defined logical oper tions and sentences) /meaning/                 |
| Holy Spirit (motivation) /reverence for life/             | Thermodynamic Imperative          | Effective (inciting t action by myths or allegories which eff a sharing of human emotion) |

The information-theoretical analysis gives statistical or average values. For detailed structure we need to determine the feedback loop representation that would come from a cybernetic analysis.

\* P.O. Box 85, Campbell, Calif. 95008

A first approximation to the cybernetic approach or negative feedback loop structure is illustrated as follows:



References

The three levels of Information Theory are discussed in SEP No. 17-A, "Communication Theory in Perspective," (4/11/57-6/19/62)

The feedback model of the child growing up is discussed in SEP No. 44, "A Commentary on Some Sermons of the Rev. Sidney A. Peterman: 'The Leisure to Hate; Myths, Legends & Learning; and The Common Faith of Man (10/56-12/25/61)

Some earlier notes on Cybernetics are in SEP No. 46, "Cybernetics," (5/6/57-6/27/61)

Additional notes on the influence of parents and grandparents on structuring the feedback loops of the growing child are discussed in SEP No. 62, "A Discussion of the Structure of Ethical Rules in the Human Mind," (1/15/61-11/29/61)

See also chart on the social use of communication theory in SEP No. 64, "Thoughts on the Relationship Between: (1) Engineering Science & Mathematics, (2) Social Science, and (3) Political & Religious Groups (9/10/61-11/23/62)

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Feedback  
Loops

Frederick B. Wood, P.O. Box 85, Campbell, Calif. 95008