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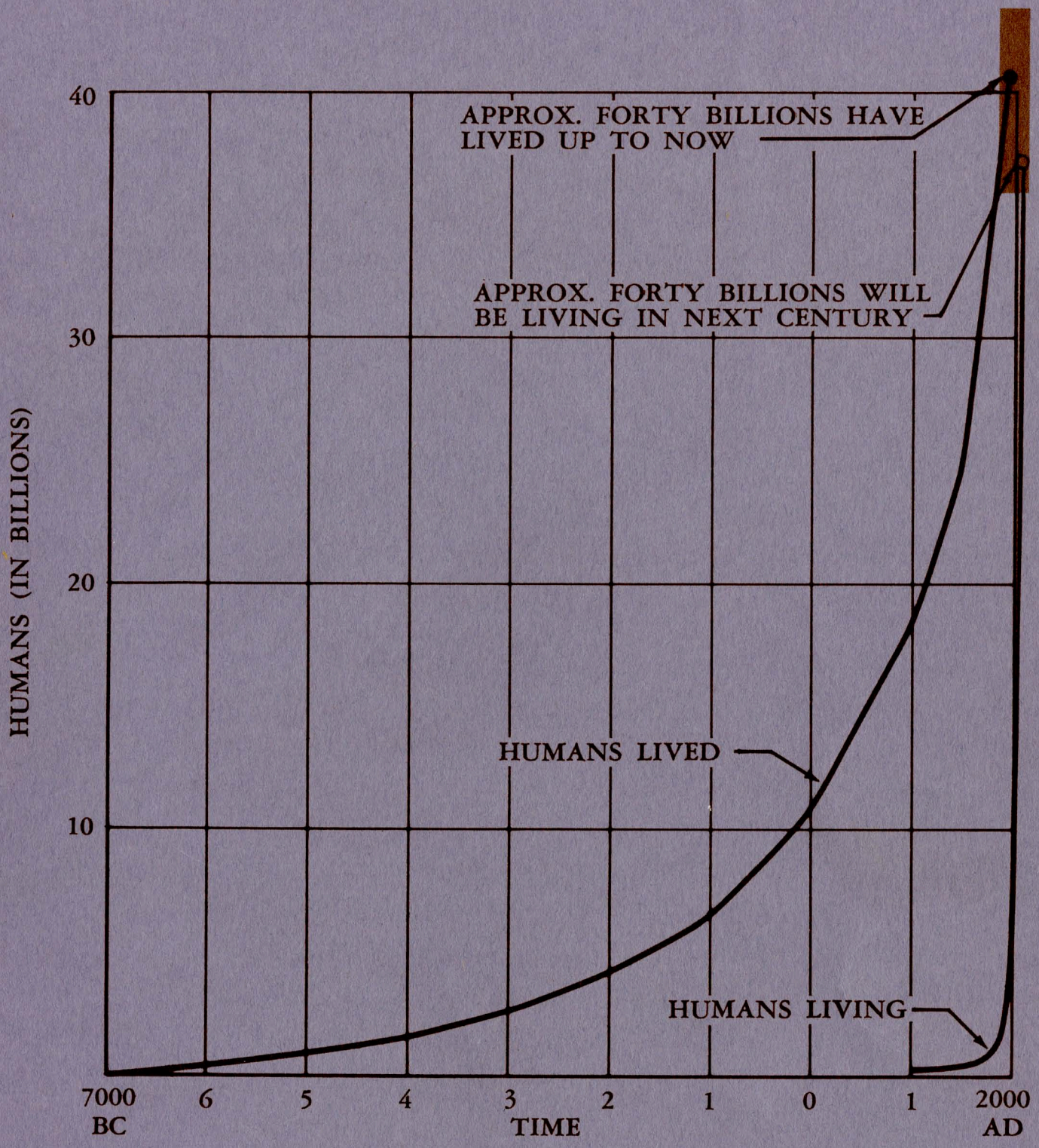

[*Fourth Annual Honors Night Reception & Dinner for Science & Engineering Authors of the Missile & Space Systems Group of Douglas Aircraft Company, Inc.*]

[HONORED GUESTS]

For your outstanding contributions to the literature
of the aerospace engineering and scientific professions
during the twelve month period ending September 1, 1966

Airport Marina Hotel

November 10, 1966

*CORCORAN, E. G.
Cryogenic Safety — Saturn S-IVB Static Firing Test Stand

**CORN, DAVID L.
A Comparison of Methods to Determine the Degree of Texturing in Titanium Alloys

Cryogenic Properties of 18Ni-9Co-5Mo and 18Ni-7Co-5Mo Maraging Steel Sheet

*CORY, J. S.
Positive Column Striations in a Magnetic Field

COSTON, W. P.
A Description of the Douglas Aircraft Company Modifications and Additions to the UAIDE S.C. 4020 Fortran IV Software

*DEARING, D. L.
The Saturn S-IV Stage Base Thermal Environment — Flight and Scale Model Data Comparisons

DELGROSSO, A.
Brazed Graphite-Metal Composites for Space Radiators

DEPROTINE, P. R.
Urban Defense for Limited Attack Situations

*DICK, J. M.
Illumination for Extravehicular Tasks

*DORRENBACHER, C. J.
Evolution of the Systems Approach

The Evolution of Manned Space Stations and Their Development Problems

DORROUGH, D. C.
A Logical Calculus of Analogy Involving Functions of Order 2

Redundancy and Reliability

DOYLE, H. M.
Adhesive Bonding for Metal Lined Filament-Wound Cryogenic Pressure Vessel

**ECKSTEIN, M. C.
The Use of the Energy Integral to Evaluate Higher Order Terms in the Time-History of Satellite Motion

Satellite Motion for Arbitrary Eccentricity and Inclination Around the Smaller Body in the Restricted Three-Body Problem

EISENBERG, A. B.
Light Metals

EITMAN, D. A.
Biaxial Behavior of Anisotropic Metals

**ENGLISH, W. D.
Fingerprint Contamination

Detrimental Man-Material Interactions in Space Flight Systems

Effect of Rocket Propellants on Structural Materials

Shock Explosion Sensitivity of Materials in Liquid OF_2

EUSANIO, E. N.
Advanced Propulsion/Reaction Control System Study for a Manned Orbiting Research Laboratory

*FIEBIG, M. K.
Corresponding Compressible and Incompressible Jets and Wakes

Jets and Wakes

FINNEY, L. M.
Modification of the Effects of Recumbency Upon Physiological Functions by Periodic Centrifugation

*FINKELSTEIN, H.
Microbial Accumulation on Surfaces in Industrial Clean Rooms

Packaging and Sterilization Problem

Spacecraft Sterilization

*FISH, F. F., Jr.
The Martian Yellow Clouds

The Stability of Goethite on Mars

FOLKMAN, N. R.
Tests of a Thermally Scaled Model Space Station in a Solar Simulator

**FOSTER, W. C.
A Nonlinear Filter for Independent Gain and Phase

**FREDERIKSEN, K. A.
New Developments in Aerospace Quality Control

**FULLER, G. M.
An Economic and Technical Analysis of a Partially Reusable Space Vehicle 3331/37 System

GAITATZES, G. A.
On the Inverse Blunt-Body Problem in Hypersonic Gasdynamics and Use of Thin-Shock-Layer Approximation

GALLEY, R. L.
Aerospace Fluid Flow Metrology

*GAUME, J. G.
Physiological Problems Associated with Lunar Colonization

Cardio-Pulmonary and Other Aspects of Gemini Space Flights

✓ *The Interrelation of Gravity and Man in Motion*

✓ *Mission Preservation by Exercise Response Detection*

GIESEKING, D. L.
Introduction to Order Statistics with Application to Spacecraft Abort

A Nonlinear Filter for Independent Gain and Phase

*GILPIN, C. B.
Electron Microscopy Technique

Microprocesses in Stress Corrosion of Martensitic Steels

*GINELL, W. S.
Determination of the Solubility of Several Transition Metals in Molten Potassium

GLASSMAN, B. A.
Parameter Hunting Procedures

A Parameter Optimization Procedure for Multi-Stage Vehicles

* Denotes second winning of this annual award ** Denotes third winning *** Denotes fourth winning