



RICE UNIVERSITY

Fifty-fourth Commencement Exercises

SATURDAY, JUNE 3, 1967, 7:00 P.M.

EAST SIDE OF LOVETT HALL

Program

ACADEMIC PROCESSION

Veni Creator Spiritus

INVOCATION BY THE
REVEREND GERALD T. O'KEEFE
St. Luke's Methodist Church, Houston

"Creativity, Conformity, and Conscience"
Commencement Address

ROBERT A. CHARPIE, PH.D.
President, Electronics Division, Union Carbide Corporation

Lord of All Being, Throned Afar

CONFERRING OF DEGREES IN COURSE

PRESENTATION OF COMMISSIONS

ANNOUNCEMENTS

America

BENEDICTION

RECESSIONAL

The audience is requested to remain in place until after the recessional.

VENI CREATOR SPIRITUS

- | | |
|---|---|
| 1. Veni, Creator Spiritus,
Mentes tuorum visita,
Imple superna gratia
Quae tu creasti, pectora. | 2. Da gaudiorum praemia,
Da gratiorum munera,
Dissolve litis vincula,
Adstringe pacis foedera. |
| 3. Sit laus Patri cum Filio,
Sancto simul Paraclito,
Nobisque mittat Filius,
Charisma Sancti Spiritus. Amen. | |

LORD OF ALL BEING, THRONED AFAR

- | | |
|---|---|
| 1. Lord of all being; throned afar,
Thy glory flames from sun and star,
Centre and soul of every sphere,
Yet to each loving heart how near! | 3. Our midnight is Thy smile withdrawn;
Our noontide is Thy gracious dawn;
Our rainbow arch, Thy mercy's sign;
All, save the clouds of sin, are Thine. |
| 2. Sun of our life, Thy quickening ray
Sheds on our path the glow of day;
Star of our hope, Thy softened light
Cheers the long watches of the night. | 4. Lord of all life, below, above,
Whose light is truth, Whose warmth is love,
Before Thy ever-blazing throne
We ask no lustre of our own. |
| 5. Grant us Thy truth to make us free,
And kindling hearts that burn for Thee,
Till all Thy living altars claim
One holy light, one heavenly flame. | |

AMERICA

- | | |
|---|--|
| 1. My country, 'tis of thee,
Sweet land of liberty,
Of thee I sing:
Land where my fathers died,
Land of the pilgrims' pride,
From every mountain side
Let freedom ring. | 3. Let music swell the breeze,
And ring from all the trees
Sweet freedom's song:
Let mortal tongues awake;
Let all that breathe partake;
Let rocks their silence break,
The sound prolong. |
| 2. My native country, thee,
Land of the noble free,
Thy name I love:
I love thy rocks and rills,
Thy woods and templed hills;
My heart with rapture thrills,
Like that above. | 4. Our fathers' God, to Thee,
Author of liberty,
To Thee we sing:
Long may our land be bright
With freedom's holy light;
Protect us by Thy might,
Great God, our King. |

CANDIDATES FOR DEGREES

DOCTOR OF PHILOSOPHY

- WAYNE MERRILL AHR. B.S. (Texas Western College) 1960; M.S. (Texas A&M) 1963
Dissertation in Geology: "Origin and Paleoenvironment of Some Cambrian Algal Reefs, Mason County Area, Texas"
- ESTRELLA FAGELA ALABASTRO. B.S. (University of the Philippines) 1961
Dissertation in Chemical Engineering: "Diffusion in Pulsating Flow in a Conduit"
- RASHID MOHAMMED SAID AL-RIFAI. B.S. (University of Bristol) 1954; M.S. (Purdue University) 1964
Dissertation in Electrical Engineering: "The Effects of Drift Field and Field Gradient on the Quantum Efficiency of Photocells"
- RICHARD TROY BEAUBOUF. B.S.M.E. (University of Houston) 1959; M.S.M.E. (University of Houston) 1960
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Freezing of Fluids in Forced Flow"
- ANTHONY BEDFORD. B.S. (University of Texas) 1961; M.S. (California Institute of Technology) 1962
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "A Continuum Theory of Heat Conducting Fluid Solid Mixtures with Applications to Transient Wave Propagation"
- HOWARD ALLAN BLACKSTEAD. B.S. (North Dakota State University) 1962; M.A. (Dartmouth College) 1964
Dissertation in Physics: "Microwave Magnetic Resonance and Absorption in Dysprosium Single Crystals"
- WILLIAM LEE BODDIE. B.A. (Rice) 1961
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "An Experimental Study of Radio-Frequency Induction Heating of a Partly Ionized Monatomic Gas in a Supersonic Flow Regime"
- RADFORD BYERLY, JR. B.A. (Williams College) 1958; M.A. (Williams College) 1960
Dissertation in Physics: "Atomic and Molecular Reactions in an Optically Pumped Helium Discharge"
- TERRANCE MAGOUN CARNEY. S.B.A.E. (Massachusetts Institute of Technology) 1956; S.M.A.E. (Massachusetts Institute of Technology) 1958
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "On Joint Estimation of the State and Parameters for an Autonomous Linear System Based on Measurements Containing Noise"
- CHIN-HSIUNG CHANG. B.S. (National Taiwan University) 1962
Dissertation in Chemistry: "Chemical Reactions at High Pressures and High Temperatures"
- HARRY LO CHANG. B.S. (Tunghai University) 1960
Dissertation in Chemical Engineering: "Low Temperature Vapor-Liquid Equilibria of Hydrocarbons: The Methane-n-Heptane, Methane-Toluene and Methane-Methylcyclohexane Systems"
- ASIM KUMAR CHAUDHURI. B.Sc. (Calcutta University) 1955; M.Sc. (Calcutta University) 1957; M.S. (University of Wisconsin) 1963
Dissertation in Chemistry: "High Temperature Thermodynamic Properties of Rare Earth Fluorides"
- JU-CHIN CHEN. B.S. (National Taiwan University) 1962
Dissertation in Geology: "Petrological and Chemical Studies of Utuado Pluton, Puerto Rico"
- JAMES VINSON CLIFTON, JR. B.S. (University of Houston) 1956; M.S. (Southern Methodist University) 1960
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Condensation of a Pure Vapor and Natural Convection on a Finite-Size Horizontal Plate"
- PAUL ANDREW CLOUTIER. B.S. (University of Southwestern Louisiana) 1964
Dissertation in Space Science: "Vector Measurement of the Mid-Latitude Sq Ionospheric Current System"
- JOHN MICHAEL DAVIS. B.A. (Wabash College) 1962
Dissertation in History: "The Image of Lincoln in the South: From Secession to Lincoln Centennial Year (1860-1909)"
- CHARLES RAPIER DAWSON, JR. B.A. (Rice) 1963; B.S. (Rice) 1964
Dissertation in Chemical Engineering: "Self-Diffusion in Methane"
- ANNE SRABIAN DE FABRY. B.A. (University of Houston) 1964
Dissertation in French: "Les Oscillations De La Pensee De Vigny Et La Victoire De Stello"
- SIERT EDWARD DEJONG. "Kandidaats" (Rijks Universiteit Groningen) 1960; "Doctorandus" (Rijks Universiteit Groningen) 1962
Dissertation in Economics: "Capital Budgeting Models Based on Constrained Profit Maximizing and Non-Profit Maximizing Behavior"
- MAURICE ARTHUR DYKE. B.S. (North Texas State University) 1961; M.S. (North Texas State University) 1962
Dissertation in Chemistry: "The Crystal Structure of Dipotassium Tetranitroethide"
- WILLIAM JAMES EBANKS, JR. B.A. (Rice) 1958; M.A. (Rice) 1965
Dissertation in Geology: "Recent Carbonate Sedimentation and Diagenesis, Ambergris Cay, British Honduras"
- KENNETH JERROLD ERICKSEN. B.A. (Pacific Lutheran University) 1961; M.A. (Rice) 1963
Dissertation in English: "A Critical Old-Spelling Edition of *The Young Admiral*, by James Shirley"
- JOHN KEITH EVANS. B.A. (University of Saskatchewan) 1959; M.A. (University of Saskatchewan) 1961
Dissertation in Geology: "Depositional Environment of a Pennsylvanian Black Shale (Heebner) in Kansas and Adjacent States"
- MILTON ARTHUR FROST, III. B.A. (Rice) 1961; M.S. (Rice) 1963
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Spectroscopic Study of Electron-Ion Recombination in an Argon Plasma"
- GEORGE HEYBURN GILPIN, JR. A.B. (Princeton University) 1963
Dissertation in English: "Visions of Joy: A Study of the Poetry of Samuel Taylor Coleridge"
- HENRY CRAWFORD GOLDWIRE, JR. B.A. (Rice) 1963
Dissertation in Space Science: "Microwave Radiation of Singly Charged Helium 3 from H II Regions"
- ELIEZER GOTTLIEB. B.S. (Israel Institute of Technology) 1959; M.S. (Israel Institute of Technology) 1964
Dissertation in Electrical Engineering: "Waveform Analysis Using Digital Technique"
- MORTON DAN PATRICK GROVES. B.A. (Rice) 1962; B.S. (Rice) 1962; M.S. (Rice) 1964
Dissertation in Electrical Engineering: "Applications of the Karhunen-Loève Expansion"

DOCTOR OF PHILOSOPHY (Continued)

- ROBERT TURNER HAASE. B.A. (Rice) 1962; M.A. (Rice) 1964
Dissertation in Physics: "An Investigation of the Spin-Lattice Relaxation Time of U^{3+} in CaF_2 "
- JAMES PATRICK HANNON. B.A. (Rice) 1962; M.A. (Rice) 1965
Dissertation in Physics: "Mössbauer Gamma-Ray Diffraction"
- PETER MARSTON HIERL. S.B. (Massachusetts Institute of Technology) 1963
Dissertation in Chemistry: "Appearance Potentials and Kinetic Energies of Ions from N_2 , CO and NO"
- LEE RAWDON HIGH, JR. A.B. (Princeton University) 1963
Dissertation in Geology: "Recent Coastal Sediments of British Honduras"
- JAMES THEO HILL. B.S. (University of Alabama) 1964
Dissertation in Chemistry: "Rates of Rearrangement of Allylic Esters in a Gas Phase Stirred Flow System"
- GEORGE JIRO HIRASAKI. B.S. (Lamar State College of Technology) 1963
Dissertation in Chemical Engineering: "A General Formulation of the Boundary Conditions on the Vector Potential in Three-Dimensional Hydrodynamics"
- JOHN GRESSETT HOLLINGSWORTH. A.A. (East Central Junior College) 1958; B.A. (Mississippi State University) 1959; M.S. (Mississippi State University) 1961
Dissertation in Mathematics: "Homotopy Types of Compact ANR's"
- RONALD EDWIN HOLMES. B.S.M.E. (University of Oklahoma) 1963; M.S. (Rice) 1966
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Condensation of a Dielectric Vapor in the Presence of a Non-Uniform Electric Field"
- DAVID GEORGE HULL. B.S. (Purdue University) 1959; M.S. (University of Washington) 1962
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Two-Dimensional, Hypersonic Wings of Maximum Lift-to-Drag Ratio"
- TOYOAKI ISHIBACHI. B.S. (University of Tokyo) 1960; M.S. (Rice) 1964
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Some Contributions to the Theory and Application of Diffuse X-Ray Diffraction for the Measurement of Short-Range-Order in Alloy Single Crystals"
- WILLIAM ROY JACKSON, JR. A.B. (Columbia College) 1959; M.A. (Rice) 1965
Dissertation in Physics: "Final State Interactions in the $^2H(p,pn)p$ Reaction"
- MAX AUGUST JODEIT, JR. B.A. (Rice) 1962; M.A. (Rice) 1965
Dissertation in Mathematics: "Symbols of Pambolic Singular Integrals and Some L^p Boundary Value Problems"
- JAMES TZU-FEN KAO. B.S. (Tunghai University) 1960
Dissertation in Chemical Engineering: "Viscosity of Helium-Nitrogen Mixtures at Low Temperatures and High Pressures"
- LAWRENCE DAVID KAVANAGH, JR. B.S. (University of Notre Dame) 1964
Dissertation in Space Science: "Predicted and Observed Displacements and Energy Changes of Changed Particles after Distention of the Magnetosphere by a Symmetric Ring Current"
- GERNOT KLAUSER. B.Ch.E. (The Cooper Union) 1963
Dissertation in Chemical Engineering: "Characteristics Velocities and Dispersion Coefficients in Linear Multicomponent Chromatography"
- THEODORE ERNEST KLEIN, JR. B.A. (Texas Christian University) 1955; B.D. (Yale University Divinity School) 1958
Dissertation in Philosophy: "The World as Horizon: Husserl's Constitutional Theory of the Objective World"
- THOMAS LOUIS KRAFT. B.S. (University of California) 1958; M.B.A. (University of California) 1959; M.S. (Stanford University) 1963
Dissertation in Electrical Engineering: "Stochastic Maximization"
- LOUIS ROBERTS KRONFELD. B.S. (University of Oklahoma) 1963
Dissertation in Chemistry: "The Crystal Structure of Dibenzo-thiophene Sulfone"
- ERIC TRENT LANE. B.S. (Louisiana State University) 1960; M.A. (Rice) 1963
Dissertation in Physics: "Studies of the Motion of an Electron in a Magnetic Field in a Crystal Lattice"
- JAMES WOODROW LEACH. B.S. (Arlington State College) 1961; M.S. (Arizona State University) 1962
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Molecular Structure Corrections for Application of the Theory of Corresponding States to Non-Spherical Pure Fluids and Mixtures"
- CHING-TSUNG LEE. B.S. (National Taiwan University) 1962; M.A. (Rice) 1965
Dissertation in Physics: "An Idealized Model for the Band Theory of Ferromagnetism"
- JEEN-LEE LIN. B.S. (National Taiwan University) 1960
Dissertation in Chemistry: "Stereochemical Equilibria Involving 1-Methyl-trans-decalone-2 and Its Derivatives"
- THOMAS FRANK LOCKWOOD. B.A. (Rice) 1964
Dissertation in English: "Charles Churchill's Satire"
- LOUIS LOPEZ. B.M.E. (University of Florida) 1961; M.S.E. (University of Florida) 1962
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Steady-State Thermal Design of Space Radiators"
- ARTHUR HERBERT LUSTY, JR. B.S. (Purdue University) 1959; M.S. (University of Washington) 1963
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Hypersonic Minimum Drag Bodies of Given Lift under Various Geometric Constraints"
- HARLEY HOBBAARD McADAMS, JR. B.S. (Texas A&M) 1960; M.S. (University of Illinois) 1961; M.A. (Rice) 1965
Dissertation in Physics: "Dynamic Polarization of Liquid Helium-Three by Optical Pumping"
- CHARLES MICHAEL McBRIDE. B.S. (Lamar State College of Technology) 1962; M.S. (Rice) 1964
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "The Hydrodynamic Forces Acting on a Cylinder in an Oscillating Flow"
- PAUL DUMON MCGLYNN. Ph.B. (University of Detroit) 1959; M.A. (University of Detroit) 1961
Dissertation in English: "Laurence Sterne's Religion: The Sermons and Novels"
- JOSEPH MICHAEL MCKNIFF. B.S. (Boston College) 1962; M.S. (Brown University) 1964
Dissertation in Geology: "Geology of the Highlands-Cashiers Area, North Carolina, South Carolina and Georgia"
- MICHAEL EDWARD MELICH. B.S. (Stanford University) 1961; M.S. (University of Utah) 1963; M.A. (Rice) 1966
Dissertation in Physics: "Flux Spot Interactions in Solid Cylinders of Type I Superconductor"

DOCTOR OF PHILOSOPHY (Continued)

- JOHN GRIER MILLER, S.B. (University of Chicago) 1963; S.M. (University of Chicago) 1964
Dissertation in Mathematics: "The Self-Intersections of Immersed Manifolds"
- RUSSELL BRYAN MILLER, B.S. (Washington and Lee University) 1962
Dissertation in Chemistry: "Stereochemical Studies of the C.1 Methyl Group in the *trans*-1-Methyl-2, 8-dioxo-decahydronaphthalene System"
- JERRY LEE MODISSETTE, B.S. (Louisiana Polytechnic Institute) 1956; M.S. (Virginia Polytechnic Institute) 1960
Dissertation in Space Science: "Angular Momentum Effects of Solar and Stellar Winds"
- CHARLES GEORGE NEVARIL, B.S. (Northwestern University) 1963
Dissertation in Chemical Engineering: "Mechanical Trauma to the Red Blood Cell"
- EDWARD RAY NEWMAN, B.A. (Southern Illinois University) 1963
Dissertation in Chemistry: "Rearrangements of Carboxylic Esters in the Gas Phase"
- TRUEMAN DAVIS PARISH, B.S. (University of Michigan) 1962; S.M. (Massachusetts Institute of Technology) 1963
Dissertation in Chemical Engineering: "Asymptotic Solutions of Some Dispersion Problems in Chemical Engineering"
- GEORGE PAUL, JR. B.A. (Rice) 1961; M.S. (Rice) 1966
Dissertation in Electrical Engineering: "Optimal Recurrent Codes and Their Behavior in Burst-Error Channels"
- VINCENT RENARD, Scientifique Speciale (College de Nivelles) 1957; Ingenieur civil des mines (Université Catholique de Louvain) 1962
Dissertation in Geology: "Virgin Bank: Correlation of Magnetism and Gravity with Geology"
- WILEY FOSTER RICH, B.S. (Baylor University) 1963; M.A. (Rice) 1965
Dissertation in Physics: "The Ca^{40} (p,p) Ca^{40} Reaction"
- ROBERT CLIFFORD RIED, JR. S.B. (Massachusetts Institute of Technology) 1961
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "Equations of Change for a Photon Gas and Their Correspondence with Maxwell's Equations"
- EDWARD D. SCHROEDER, B.S. (Oregon State University) 1961; M.S. (Oregon State University) 1962
Dissertation in Chemical Engineering: "Dissimilatory Nitrate Reduction by Mixed Bacterial Populations"
- CARLOS SCHUBERT, B.S. (University of Arizona) 1961; M.A. (Rice) 1963
Dissertation in Geology: "Geology of the Barinitas-Santo Domingo Region, Southeastern Venezuelan Andes"
- ANDREW KOEBEL SCHWARTZ, JR. B.A. (Rice) 1963
Dissertation in Chemical Engineering: "Chemisorption on Zinc Oxide Powder"
- SUNIL N. SHABDE, B. Sc. (College of Science, India) 1960; B.E. (Indian Institute of Science) 1962; M.S.E.E. (Purdue University) 1965
Dissertation in Electrical Engineering: "The Hall and Nernst Effect in Bi and Bi-Sb Alloys"
- ELBERT ERNEST SIBERT, JR. B.A. (Rice) 1963
Dissertation in Mathematics: "A Machine-Oriented Logic Incorporating the Equality Relation"
- LAIRD DE LACEY SLOAN, B.S.E. (University of Michigan) 1958; S.M. (Massachusetts Institute of Technology) 1959; M.S. (University of Southern California) 1963
Dissertation in Electrical Engineering: "Topological Solution Techniques for Nonlinear Differential Equations"
- DAVID ROBERT SMITH, JR. B.A. (Texas) 1960; M.S. (Texas A&M) 1962; M.A. (Rice) 1966
Dissertation in Physics: "A Mechanical Measurement of the Energy Dissipation Associated with the Motion of Magnetic Flux through Superconducting Indium Strips and Films"
- BYRON GRANT SPENCER, B.A. (Queen's University) 1963
Dissertation in Economics: "Shifting of the Corporation Income Tax: the Canadian Experience"
- WILLIAM C. SPRINGER, A.B. (Loyola University) 1952; PHL & STL (Gergorian University, Italy) 1957
Dissertation in Philosophy: "The World and the Word in Merleau-Ponty." Towards an Existential Epistemology and an Ontology of the Human Body.
- KAUSHIK P. SRIRAM, B.Tech. (Indian Institute of Technology) 1965; M.S. (Rice) 1966
Dissertation in Electrical Engineering: "Time Optimal Control of Linear Distributed Parameter Systems"
- NORMAN DAVID STOCKWELL, B.S. (Tulane University) 1962; M.A. (Rice) 1965
Dissertation in Physics: "Spin Dependent Atomic Reactions in a Helium Discharge and Extraction of a $^3\text{He}^+$ Ion Beam from an Optically Polarized ^3He Source Gas"
- GLENN ALLEN STOOPS, S.B. (Massachusetts Institute of Technology) 1961; S.M. (Massachusetts Institute of Technology) 1962
Dissertation in Mathematics: "Semigroup Martingales"
- JAMES DAVID TAUBER, B.S. (Louisiana Polytechnic Institute) 1959
Dissertation in Chemistry: "Synthetic Routes to Kaurene"
- HENRY FULLER TAYLOR, III. B.A. (Rice) 1962; M.A. (Rice) 1965
Dissertation in Physics: "Studies of the ac Losses and of the Magnetization of Superconducting Wires"
- GORDON EDWARD TEBBUTT, B.Sc. (University of Western Ontario) 1962; M.S. (University of Wyoming) 1964
Dissertation in Geology: "Diagenesis of Pleistocene Limestone on Ambergris Cay, British Honduras"
- STEPHEN EMILE TEICHGRAEBER, A.B. (Rockhurst College) 1962; M.A. (Rice) 1964
Dissertation in English: "The Treatment of Marriage in the Early Novels of Henry James"
- CHANG-CHAR TU, B.S. (National Taiwan University) 1956; M.A. (Rice) 1964
Dissertation in Mathematics: "I. A Boundary Value Problem for the Heat Equation in a $\text{Lip}\alpha$ Region. II. Non-Tangential Limits of a Solution of a Boundary Value Problem for the Heat Equation"
- PETER JAMES VERMEULEN, B.Sc. (University of Manchester) 1955; M.Sc. (University of Manchester) 1958
Dissertation in Mechanical and Aerospace Engineering and Materials Science: "The Application of Radio Frequency Electromagnetic Fields to Heat and Control the State of a Flowing Plasma"
- TAI-TZER WANG, B.S. (National Taiwan University) 1961
Dissertation in Chemistry: "The Reactions of Arylhydrazines with Lead Tetraacetate"

KENNETH FRANKLIN WANTLAND. B.S. (University of Cincinnati) 1960; M.A. (Rice) 1964
Dissertation in Geology: "Recent Benthonic Foraminifera of the British Honduras Shelf"

JOY LEE CLARK WILSON. B.A. (Rice) 1957
Dissertation in English: "An Edition of Thomas Moore's 'Commonplace Book'"

CLARE R. KEATING WOODWARD. B.A. (Smith College) 1963
Dissertation in Biology: "The Kinetic and Genetic Isolation of Two Histidine Transport-Mediating Systems"

ALBERT PEI-HSIN YU. B.S. (National Taiwan University) 1959; M.A. (National Tsing Hua University) 1961
Dissertation in Chemistry: "The Fifth Virial Coefficient of a Hard Sphere Gas and a Hard Disk Gas"

MASTER IN ARCHITECTURE

WILLIAM LEE BROWN
JUNIUS JOSEPH CHAMPEAUX, II
THOMAS BRADEN DALY
CHITTARANJAN HIRALAL DESAI
PETER GERALD DOYLE
LUIS EMILIO GOMEZ
EDWARD M. HASPEL
CHARLES MARTIN KURT
JIMMY LLOYD LAMBETH

CARL W. LANDOW
ROSCOE CHARLES LAWLESS
JOHN DOUGLAS MACNEIL
MICHAEL VERNON MCENANY
JOHN MALCOLM MCRAE
SERGIO JORQUERA MIRANDA
JOSE MEDINA RIVAUD
KELLER SMITH, JR.

MASTER OF ARTS

GEORGE STEWART BAKKEN, *Physics*
JOHN ROBERT BEHRMAN, *Economics*
RICHARD ALBIN BEST, JR., *History*
JOHN S. BROEKHUIZEN, *German*
TIMOTHY E. CASEY, *Physics*
DONALD CHOY CHANG, *Physics*
MERRY CHIN-MEI CHANG, *Biology*
HEINZ CHRISTIAN CHRISTIANSEN, *German*
DAVID COHEN, *English*
BEVERLY GATLIN COOK, *Geology*
ZENAIDE CARVALHO GONCALVES DA SILVA, *Geology*
WILEY SAM DENNIS, *Physics*
JOHN CHARLES DOMINY, *German*
JOSEPH PATRICK ANTHONY ENGLISH, *English*
DAVID OWEN FINDLEY, *Physics*
DAVID BRUCE HADAWAY, *Physics*
RODGER WILLARD HARDY, *Physics*
PETER ANDREW HEMPEL, *English*
REINHART DITMAR KONDERT, *History*

ROBERT OTIS MCALISTER, *Biology*
MICHAEL VANCE MCCUSKER, *Physics*
DIANA HARTRIDGE MCSHERRY, *Physics*
AL JOHN MOGENIS, *Chemistry*
GERBRAND POSTER, III, *English*
JERRY WAYNE PYLE, *History*
THOMAS KENNETH REEVES, JR., *Geology*
JOSHUA ISAAC RIBER, *Geology*
RAYMOND HOWARD RICE, *Geology*
SONJA AUGUSTA SKROTZKY, *German*
WILLIAM JOHN SLAYTON, *German*
KUNG TEH WANG, *Geology*
LAWRENCE CHIA-HUANG WANG, *Biology*
BEVERLY JANE WEH KING, *Biology*
CHARLES ALLIE WELLS, *Physics*
ARTHUR SEYMOUR WILSON, *Physics*
ROBERT EUGENE YAGER, *Physics*
FRANK EDGAR ZUMWALT, JR., *Behavioral Science*

MASTER OF SCIENCE

JAMES IVAN ALYEA, *Chemical Engineering*
BHALCHANDRA Y. BALLAL, *Civil Engineering*
JOHN L. BAUMGARTNER, *Civil Engineering*
HALBERT HOMER BYBEE, JR., *Electrical Engineering*
KWONG-SHU CHAO, *Electrical Engineering*
WADE LAFAYETTE CRADDOCK, JR., *Space Science*
MANUEL AMERICO GONCALVES DA SILVA, *Civil Engineering*
MICHEL MARIE DE VRIES, *Electrical Engineering*
BEN DUH, *Chemical Engineering*
DAVID McLARTY GILLIAM, *Mechanical and Aerospace Engineering and Materials Science*
KENT LAVERNE GOERING, *Civil Engineering*

GARY LEE HEITHECKER, *Civil Engineering*
ROBERT MURRAY HETHERWICK, III, *Chemical Engineering*
KUO-CHAO HUANG, *Electrical Engineering*
TALBOT SHELTON HUFF, JR., *Electrical Engineering*
JAMES ROY KEY, *Electrical Engineering*
KENNETH LAMAR KIPP, JR., *Chemical Engineering*
JAMES DER-YI LEE, *Civil Engineering*
CLANTON EVANS MANCILL, *Electrical Engineering*
JEFFREY HERBERT MOREHOUSE, *Mechanical and Aerospace Engineering and Materials Science*
JOHN ANTHONY MUSSELMAN, *Mechanical and Aerospace Engineering and Materials Science*

MASTER OF SCIENCE (Continued)

PAUL MELVIN OLSTAD, <i>Civil Engineering</i>	EDWARD HUGH TURNER, <i>Mechanical and Aerospace Engineering and Materials Science</i>
RONALD EMMETT RAMBIN, <i>Chemical Engineering</i>	WILLIAM LEROY WILSON, <i>Electrical Engineering</i>
BHARAT INDU SHARMA, <i>Mechanical and Aerospace Engineering and Materials Science</i>	TADEUS CARL WINIECKI, <i>Space Science</i>
LEONARD CHIUAN-LIN SUNG, <i>Civil Engineering</i>	SHYR-JEN WUNG, <i>Civil Engineering</i>
MILTON CHARLES TRICHEL, II, <i>Space Science</i>	DAVID THAD YOUNG, <i>Space Science</i>

BACHELOR OF ARCHITECTURE

Thomas Russell Bean	James Clarence Guthrie, Jr.	Doyle Douglas Peel
David William Colby	Kent Richard Hofmann	David Alan Rhodes
William Paul Farmer	George Bruce Levine	David Calder Richardson
Harry Jasper Guffee, Jr.	Robert Doss Mabe	Andrew Mehaffy Sheldon
	William Laurin McCracken	

BACHELOR OF SCIENCE IN ACCOUNTING

Katherine Randall Bowden	Margaret Holsopple Heaton	James N. Maynard
William Van Hala Clarke	Nolan Lehmann	Douglas Wayne McKendrick
William Edward Hamilton	Melvin Albert Maresh	David Marion Ruth
Jon Patrick Harrison		Edward Wright Turville

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

Robert Stevens Burlingame	Douglas Burlyn Harp	William Harrison McHarg
Arthur Maultsby Dowell, III	Uriel Hawe Jones	Peter Clark Saunders
Robert James Easton	John Howard McCulley, Jr.	Donald Joseph Schaezler
Carl Louis Greig		Raymond Hiatt Smith

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Charles Randolph Riddell

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

John Herbert Bond	James Anton Hokanson	Franklin Wallace Roberts
Larry Gene Burross	Walter Gibson Holloman, Jr.	Robert Ellis Savoie
Jay Truett Cooper	James Evan Howard	Ted Gillett Shown
Robert Sterling Eanes	Richard Wayne Kennemer	John Kenny Smith
Alvin Lee Hall	Russell Gilbert Meier	Robert L. Sundberg
Edwin L. Hawkins	Jeffry Moore Parker	Jerry Wayne Vaughan
Ronald Max Hays, Jr.		William Scott Whitaker

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Michael Don Biggs	Clinton Gessner Gosse	Allan R. Klein
Barry Lee Buechner		Warner Steven Strang

BACHELOR OF ARTS

John Michael Adams
 Edwin George Albers, III
 Daniel Frank Albright
 John Paul Alexander
 Steven Roy Alexander
 Andrea Elisabeth Alleman
 Mary Jean Amspoker
 Alan Don Anderson
 David Russell Anderson
 Susan Jean Anderson
 Mark Alan Arrington
 Bruce Leland Ashton
 Lucinda Mary Bagby
 Bonnie Margaret Bailey
 Mary Kathryn Johnston Bailey
 John Olen Baker
 Susan Carol Baker
 Stanley Byron Balbach, Jr.
 Bert Irvin Barron
 Susan Karyl Barron
 Charles Kimbro Barrow
 William Harold Beasley
 Dennis Alan Beck
 Philip David Belanger
 Lawrence Ray Bell
 William Edward Bell, Jr.
 Paul Hilland Berdahl
 John Vaughn Bergman, Jr.
 George Lawrence Bertschler
 Mary Virginia Bethea
 Antoinette Rose Boecker
 Mary Hastings Bowen
 Geoffrey Alan Bowman
 Pamela Kay Turner Brasch
 William Robins Brice
 Lois Diane Bright
 Dagobert Llanos Brito
 Constance Dess Brown
 Rosalie Ann Brown
 Stephen Fletcher Brown
 Sheila Rowan Brownyard
 Patricia Elaine Bryan
 William Thomas Buckle
 Edward Milton Buckner
 Penelope Kitchen Cano
 William Leslie Carroll
 Maureen Cassidy
 Paul Edward Chamberlain
 Edward Alan Chappell
 Mary Katherine Childers
 Edwin Fredric Claassen
 Linda Darlene Clarke
 James Ennis Cogan
 Warren Wilson Cole
 Allan Roy Cooper
 Jeffery Lewis Corbin
 Mary Elizabeth Corneil
 Sandra Jean Coyner
 Edward E. Cragg
 Christopher Roger Craig
 Christopher Curran
 Harold Carl Dailey, II
 Richard Edward Darilek
 Henry Merrick Darley
 Thomas M. Davis
 Joel Eugene Dendy, Jr.
 Michael Coughlin Derkacz
 Don Conway Des Jarlais
 Michael Eric Doman

Larry Duane Doolen
 William Jasper Doty, Jr.
 James Eloi Doyle
 Lucy Eileen Doyle
 Yvonne Legeron Dunkin
 Barbara Anne Echols
 Finley Latham Edmonds
 Karen Paige Edwards
 William George Elliott
 Leon Whitmore Ellsworth, III
 David Martin Elwonger
 Gary Richard Emrick
 Robert Wayne Ermel
 Richard Arthur Evans
 Richard Frank Evans
 Carl Richard Everett
 Milton Ervin Evitt
 Linda Rae Fagg
 Martha Scott Failing
 William Paul Farmer
 Terry Wayne Feagin
 Marilyn Ford
 LaNelle Lillian Fortune
 Richard Wathen Foster
 Forrest Fox
 Clyde Charles Frazier, III
 Virginia Ann Frederick
 Ronald E. Fridlind
 Mary Elizabeth Frisinger
 Morag Elaine Fullilove
 Susan Kay Fullilove
 Terrence Arthur Gaiser
 Charlie Mack Galaznik, Jr.
 Margaret Ann Gardiner
 Lloyd Alan Gardner
 Ronald Lorenz Gast
 William Aaron Geffen
 Frank Emmett Gerth, III
 Evetta Judy Getz
 Bernard William Giesen, II
 Susan Mathilda Gilbert
 Nicholas Barnet Gilliam
 John Richard Gilpin
 Paulette Giusti
 Roger Stephen Glade
 John Richard Glover, Jr.
 Katherine Dolard Goerner
 William Sherman Gordon
 Muriel Elizabeth Ridley Gosse
 Gary Frank Gostecnik
 Susan Irene Grafton
 James Ronald Green
 Roger LaRue Griffin
 Robert Bruce Grove
 Milton Jerome Guiberteau
 James Clarence Guthrie, Jr.
 Jerome Charles Hafter
 William Edward Hamilton
 Thomas Scott Hammerstrom
 Christopher Hans Hansen
 Keith Williams Harbaugh
 Joyce Pounds Hardy
 James Roger Hatton
 Virginia Floy Haughton
 Robert Harvey Havemann
 William Thomas Hearron
 Arnold Bernard Hebert, Jr.
 Mary Ann Henderson

Laura Chandler Henry
 Richard Denney Herr
 Burnette Walter Hicks, Jr.
 Helen Segrave Hicks
 Thomas Westfall Hill
 Claudia Jean Hills
 Bruce Stanton Hinkley
 Peter Fernhout Hollings
 Susanne Hollyfield
 William Rollins Hoot
 Charles Chance Hubbard
 Gena Lorraine Hughey
 Ann Marie Humburg
 Timothy Ann Hunt
 Geoffrey Seymour Hurlburt
 Ned Andrew Hurley
 Frank Martin Ivey, Jr.
 Mary Elizabeth Jacobs
 Richard Albert Jacobs, Jr.
 Robert George Janes
 Richard Anthony Janowski
 Palmer William Jenkins
 Cynthia Ann Johnson
 Joseph Peter Johnson
 Karen Margaret Johnson
 Michael Germany Johnson
 Paul Marshall Johnson
 Wiley Neil Johnson, III
 Joe Michael Jones
 Nancy Tips Jones
 Philip Howell Jones
 Lawrence Monroe Jordan
 Michael Arthur Karchmer
 Patricia Ann Kendrick
 George William Kennedy
 James William Kennedy, III
 Kenneth Wade Kennedy, Jr.
 Eric Kent Kinard
 John Robert King
 John Thomas King
 Robert Thomas King
 Suzanne Kitchen
 Peter Giles Kotcher
 Robert Augustus Armand La Chance, Jr.
 Richard James Lagow
 Donald Quincy Lamb, Jr.
 Barrett Lee Lambert
 Lynda Jane Lasswell
 Charles Pierre Latourette
 Guy Fremont Lease
 William Prescott Leeman
 Robert Brooks Leftwich
 Terry David Linick
 Robert Fallis Loewenstein
 James Welton Lomax, II
 Nancy Robinson Lomax
 Stuart Allen Long
 Henry Malcolm Lovett, Jr.
 Roy Anthony Francis Lowey-Ball
 John Eric Lueders
 Robert Doss Mabe
 Michael Ernest Maguire
 Sheila Margaret Mahan
 Barbara Lee Manroe
 Melvin Albert Maresh
 David Bradley Marrs
 Richard Albert Martin
 Mark William McAllister
 Barney Leroy McCoy

BACHELOR OF ARTS (Continued)

William Laurin McCracken
Jenny McCravey
John Kinney McDonald
Michael Barnes McGrath
Gordon Alan McKay
Douglas Benjamin McNeal
Howard Francis McNenny
Roy Allen Meals
Donata Francescato Mebane
Jethro William Meek
William Herrick Merriman, III
Beverly Clardy Merritt
John David Meyers
Ann Lane Miller
Marla Marie Miller
Paul Bertolet Watts Miller
Philip Ray Moncrief
Victoria Harrison Moreland
Lynn Earl Morris
Bertrand Carl Moser
John A. Moss, Jr.
James Copland Moyer
Ernest Conrad Mueller, III
Brian Clark Mustain
Karen Gaye Nelson
Kim Karlene Nelson
Ralph Walter Neumann
Barry Harold Nickle
Jean Louise Noble
Geoffrey James Norris
William Briscoe Novak
Michael Charles O'Connor
Ronald Gary Olin
Carol Jean Olson
Richard David Olson
Edwin Lawrence Oswald
Jeffrey Moore Parker
Joan Edwina Parker
Richard Donnard Parker
Karen Janette Payne
Jan Nedland Pedersen, Jr.
Doyle Douglas Peel
David Donald Perkins
Robert Jack David Perkins
Charles Emil Peterson
Paul James Pfeiffer
William Carl Pickel
Scott Lawson Pigford
Eleanor Hall Pitcock

Donald Ray Platt
James Murphy Popplewell
Carolyn Jane Porter
Peter Herbert Proctor
Marvin Arnold Pung
Sherry Lynn Ragan
Wayne Alan Richards
Franklin Wallace Roberts
Larry Wayne Roberts
Holly Ann Robertson
Norman Michael Robinson
Nancy Laurette Robison
Langston King Rogde
Arthur Hamilton Rogers, III
Kent Eugene Rogers
Andrew Dale Rooker
Michael Robert Rosenthal
Ronald Charles Ross
Sharon Pope Ross
Jerry Eugene Rothrock
Warren Walter Rouse
Christine Vivash Rowland
Alice Lyn Rudolph
Steven Barton Russ
Jeffrey Davenport Ryan
Harvey Maurice Sachs
Steve Frederic Sapontzis
William Anthony Sauder
Mark Stacy Scheid
Salle Ann Schlueter
LeAnne Schreiber
Gene David Schroder
John Waldemar Schulze
James Hunter Scott, Jr.
Alan Charles Shapiro
John Burton Sharp, Jr.
Robert Archer Sheldon
Alan Richard Shive
Ted Gillett Shown
Russell Woodward Simpson
William Gilmore Smiley
Conrad Michael Smith
Earl Thomas Smith
Johnny Wayne Somers
Paul Douglas Spikes
Jane Ann Starling
Carol Linn Starr
Robert L. Stelzl
Robert Anthony Stem

Michele E. Stojan
Robert Loren Stout
William Roger Strait
Monty Joseph Strauss
James Patrick Summerville
Alvin John Sustek, Jr.
James Martin Swanson
Stephen Theodore Swenson
Marilyn Jean Talbott
Robert Wolfe Tanner
Arthur Bernard Tarrow, Jr.
Benjamin Harrison Teague, III
Harold Neil Teverbaugh
Susan Anne Thompson
Robert Earl Toone
Carol Ann Touns
Carl William Ulrich
Larry John Wagner
Donald Edward Wagoner
Wilbur Doyle Waldron, Jr.
Patricia Charter Walker
Martha Patricia Wallace
Thomas Green Watkins, III
Francis Sinclair Webster, III
Howard Leslie Weinert
Nathan David Weiser
Frances Melanie Wells
Richard Bruce Wesley
Elliot Samuel Wheeler
Leonard Alva White, Jr.
Philip Dale Wilbur
Bolie Calvin Williams, III
Honey Sue Williams
Joe Edward Williams
Julian Carroll Williams
Robert Lee Williams
Marilyn Wimberly
Michael Alan Winters
Donald Anthony Wolda
William Robert Wolfram, Jr.
William Stephen Wood
Paul Wellman Worden, Jr.
Sidney Almon Worsham, III
Alan Lee Worth
Eva Alfreda Wydra
Terry Allen Yates
Michael Ray Yellin
Brunhilde Carlotta Yockey
Alison McCord Zimmerman
Letitia Katherine Zumwalt

BACHELOR OF COMMERCE

Richard Lloyd Bowe
Lloyd Neal Branscum
Clarence Harlon Dearing
William Albert Eiland
James Creighton Epps, III

Richard Alan Greenlaw
James Rhyne Henderson
James Randolph Hulme
Michael Henry Inselmann
Anthony William Labay

Travis Dale McCain
Michael Hugh McLafferty
Larry Waldron Winn
Michael Wade Wood
James Webster Woodruff

BACHELOR OF SCIENCE IN HEALTH AND PHYSICAL EDUCATION

Craig Christopher
Richard Campbell Cramer
David Paul Ferguson
Leslie Eugene Fleming
Albert Stanley Garrett

Glen Franklin Hine
James Randolph Hulme
James Edward King
Thomas Reily Marshall
Patrick Michael McGrath

John Ernest Morgan
Joel Stanley Smith
Charles Lanny Torrence
James Edward Wilkerson
Bernard Robert Williamson

REPORT OF THE COMMISSIONER

OF THE

STATE OF NEW YORK

FOR THE YEAR 1890

ALBANY:

1891

W. H. BROWN, PRINTERS.

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RICE UNIVERSITY

SCHOLARSHIPS, PRIZES, AWARDS, AND FELLOWSHIPS

HONOR SCHOLARS

Designation as an Honor Scholar is made solely on the basis of outstanding scholarship. Students so named have earned very high standing in all courses during the last two semesters preceding their selection.

THE GRAHAM BAKER STUDENT

Josephus Gaston Norman, Jr., of the Sophomore Class

The Graham Baker Studentship honors the student in the three lower classes who has earned the highest scholastic standing.

THE BORDEN FRESHMAN PRIZE

Fredric Alan Weber of the Freshman Class

The Borden Freshman Prize is awarded to the student having the highest standing in the Freshman Year.

THE SAMUEL S. ASHE SCHOLAR

Jacquelyn Sue King of the Freshman Class

THE JAMES A. AND ALICE GRAHAM BAKER DISTINGUISHED SCHOLAR

Roland Theodore Smith, Jr., of the Sophomore Class

THE MARY PARKER GIESEKE SCHOLAR

Marc Albert Levine of the Sophomore Class

THE BLANCHE RANDALL HADEN SCHOLAR IN ECONOMICS

John Allan James of the Junior Class

THE WILL HOGG MEMORIAL DISTINGUISHED STUDENT

Thomas Carl Clarke of the Sophomore Class

THE WILL HOGG MEMORIAL SCHOLARS

James Samuel Cohen of the Junior Class

Terry Gene Pendleton of the Junior Class

THE WILLIAM MARSH RICE PRIZE SCHOLARS

Thomas Anthony Blocher of the Incoming Freshman Class

David Alan Demus of the Incoming Freshman Class

Caroline Isabelle Everett of the Incoming Freshman Class

Robert Orrin Shelton of the Incoming Freshman Class

THE DANIEL RIPLEY SCHOLAR

Allen Rourke Coffin, Jr., of the Freshman Class

THE UNIVERSITY PRIZE SCHOLARS

TerryEllen Eschen of the Incoming Freshman Class

Carvel Wayne Glenn of the Incoming Freshman Class

Cathleen Marie O'Rourke of the Incoming Freshman Class

THE BLANCHE WHITE HONOR SCHOLARS

Gordon McMurry Braden of the Sophomore Class

Donn Alan Chambers of the Sophomore Class

Bouldin Pat Crofton of the Sophomore Class

George Logan Farrington of the Junior Class

Leslie Ann Helfrich of the Junior Class

Patrick Henry Hollifield of the Junior Class

Mary Susan Jatzlau of the Junior Class

Michael Ernest Jung of the Sophomore Class

William Bailey Russel of the Junior Class

Julius Odon Sensat, Jr., of the Junior Class

Stephen Wallace of the Junior Class

NATIONAL MERIT SCHOLARS

of the Incoming Freshman Class

THE AFL-CIO SCHOLAR

Patricia Ann Kennedy

THE ROCCO C. CAFFARELLI SCHOLARS

Barry Ray Bell

David Roland Eisenhauer

Joseph Gregg

Phillip Turner Johnson

Charles Donald Kuhfeldt

Michael Alfred Morrison

Steven Ray Morrow

Donald Fred Norville

THE GENERAL DYNAMICS CORPORATION SCHOLAR

Robert Earl Goad

THE GOODYEAR TIRE & RUBBER COMPANY SCHOLAR

Robert Edmund McDonald

THE GULF SCHOLAR

Lista Ann Duren

THE HORMEL FOUNDATION SCHOLAR

Don Ernest McAnelly

THE MOBIL SCHOLARS

John Robert Billingsley

David Clinton Griffith

Dawn Anne Pennington

THE G. C. MURPHY COMPANY FOUNDATION SCHOLAR

Richard Kyle Freeman

THE NATIONAL MERIT CORPORATION SCHOLARS

David Alan Demus

Arthur Dennis Gibbons

Burke Dorn Grandjean

Thomas Baker Greene, III

Daniel Luther King

Nancy Elizabeth Matthews

Vardeman Griffith Moore

Sheldon Michael Newman

Cathleen Marie O'Rourke

William Robert Parks

Robert Orrin Shelton

Lewis Thomas Williams

THE NORTHERN ILLINOIS GAS COMPANY SCHOLAR

Lynda Louise Luers

NATIONAL MERIT SCHOLARS (Continued)

THE PITTSBURGH PLATE GLASS FOUNDATION COMMUNITY SCHOLAR
Mary Christine Stansell

THE PRUDENTIAL INSURANCE COMPANY OF AMERICA SCHOLAR
Ronald Edward Siemers

THE MYRA STAFFORD PRYOR SCHOLAR
Walter Leon Young

THE SHELL COMPANIES FOUNDATION, INCORPORATED SCHOLAR
Diane Gibson Weaver

THE SINCLAIR SCHOLAR
Stephen Bennett Stokely

THE STANDARD OIL (INDIANA) FOUNDATION SCHOLARS
Paul Edwin Chapman, Jr.
Bruce Joseph Martin
Robert Eugene Steele

THE SUN OIL COMPANY SCHOLAR
John Stephen Sensat

THE TEXACO SCHOLAR
Thomas Randolph Hencke

THE UNION OIL COMPANY (CALIFORNIA) FOUNDATION SCHOLAR
Katherine Lucretia Ewing

THE UNITED STATES AIR FORCE SCHOLARS
Guy Thomas Almes
Stephen Scott Bryan

THE UNITED STATES ARMY SCHOLARS
Jo Ellen Bain
Timothy George Berger
Richard Howerton Brownley, Jr.
Gay Daran Fay
Patrick John Hays
Karolyn Ann Kendrick
Pamela Lee Russell
Guinn Eugene Unger, Jr.
Thomas Ralph Woodward

THE U. S. INDUSTRIAL CHEMICALS SCHOLAR
Roland Benson Pair, Jr.

THE WYANDOTTE CHEMICALS CORPORATION SCHOLAR
Judy Rogers Naff

UNDERGRADUATE SCHOLARSHIPS

THE SCHOLAR OF THE JOHN MCKNITT ALEXANDER CHAPTER
OF THE DAUGHTERS OF THE AMERICAN REVOLUTION
Diane Marie Ping of the Junior Class

THE SCHOLAR OF THE AMERICAN INSTITUTE OF CHEMICAL
ENGINEERS, SOUTH TEXAS SECTION
Guy Ronald Dutcher, Jr., of the Sophomore Class

THE A.R.C.S. FOUNDATION SCHOLARS
Bouldin Pat Crofton of the Sophomore Class
Michael Ernest Jung of the Sophomore Class
William Bailey Russel of the Junior Class
Joe Melvin Straus of the Junior Class

THE SCHOLARS OF THE ASSOCIATED GENERAL CONTRACTORS
OF AMERICA, INC., HOUSTON CHAPTER
Richard Albert Martin of the Senior Class
Tommy Dean Plant of the Junior Class

THE MAX AUTREY MEMORIAL SCHOLARS
Theodore Earl Fickel of the Sophomore Class
Marilyn Giusti of the Sophomore Class
Melinda Anne Spencer of the Sophomore Class

THE AXSON CLUB'S KATIE B. HOWARD SCHOLAR
Sharon Ann Rebouche of the Sophomore Class

THE AXSON CLUB'S ELLEN AXSON WILSON SCHOLAR
Shirley Gene Revis of the Junior Class

THE JAMES A. AND ALICE GRAHAM BAKER SCHOLAR
Jeanne Ann Freeman of the Sophomore Class

THE R. C. BAKER FOUNDATION SCHOLARS
Ronald Lee Linton of the Junior Class
Mark Orville Medford of the Junior Class
Allan Richard Uilsson of the Fifth-Year Class
Bolie Calvin Williams of the Senior Class

THE BILLUPS SCHOLARS
Michael Merle Ivy of the Sophomore Class
Christopher Wulfe Kuehler of the Sophomore Class
Michael Chenault McParland of the Sophomore Class

THE BROCHSTEIN FOUNDATION SCHOLAR
Donald Gene Mauldin of the Junior Class

THE CLYDE AND ETHEL BUTCHER SCHOLAR
Charles Chance Hubbard of the Senior Class

THE CABOT FOUNDATION SCHOLARS
Johnny Wayne Somers of the Senior Class
Robert Michael Wernicke of the Sophomore Class

THE COLLEGE BOWL CHAMPIONS SCHOLAR
William Brady Bartlett of the Incoming Freshman Class

THE COLLEGE WOMEN'S CLUB SCHOLAR
Karen Margaret Johnson of the Senior Class

THE CONTINENTAL AIR LINES FOUNDATION SCHOLAR
Lawrence Lane Tankersley of the Junior Class

THE MILLIE TUTT COOK SCHOLAR
Carol Suzanne Clark of the Junior Class

THE JOSEPH I. DAVIES SCHOLAR
Robert Henry Ehrhart of the Freshman Class

THE THOMAS AUBREY DICKSON AND PAULINE
MARTIN DICKSON SCHOLAR
John Edgar Howell of the Junior Class
Ronald Steven Pearson of the Junior Class

THE DISTINGUISHED STUDENTS IN ARCHITECTURE FOR 1966-67
Ronald Erik Fridlind of the Junior Class
Hans Christian Rott entering the Junior Class

THE ENGINEERING ALUMNI SCHOLAR
Jethro William Meek of the Senior Class

THE THOMAS FLAXMAN SCHOLARS
John Thomas Bertrand of the Junior Class
Carl Richard Everett of the Senior Class

THE WALTER W. FONDREN, JR., MEMORIAL SCHOLARS
Virginia Ann Flynn of the Junior Class
Jack Edward McClard of the Junior Class

THE THOMAS R. FRANKLIN AND JULIA H. FRANKLIN SCHOLARS
Patrick Henry Hollifield, Jr., of the Junior Class
Michael Craig Kennedy of the Junior Class
Susan Elizabeth Norris of the Junior Class
Hans Christian Rott of the Junior Class

THE GENERAL MOTORS SCHOLARS
Margaret Sue McNair of the Junior Class
David Reed Starr of the Freshman Class
Robert George Wise of the Sophomore Class

UNDERGRADUATE SCHOLARSHIPS (Continued)

THE GIBRALTAR SAVINGS ASSOCIATION SCHOLAR

Russell Cornish Jones of the Incoming Freshman Class

THE HASKINS AND SELLS FOUNDATION SCHOLAR IN ACCOUNTING

Michael Ray Yellin of the Senior Class

THE HOHENTHAL SCHOLARS

Marion Robert Alexander, Jr., of the Junior Class

Richard Fleming Brown of the Junior Class

Ray Arthur Young, Jr., of the Junior Class

THE HOUSTON ENGINEERING AND SCIENTIFIC SOCIETY SCHOLAR

Ralph Walter Neumann of the Senior Class

THE WILLIAM V. HOUSTON SCHOLAR

Reserved

THE LOUIS F. ISRAEL PREMEDICAL SCHOLAR

Jeff Ray Gibson, Jr., of the Junior Class

THE JOINT ORGANIZATIONS FOR BUSINESS SURVIVAL SCHOLARS

Christine Ruth Gever of the Junior Class

Clark Red Gregg of the Junior Class

James Carl Roberts of the Sophomore Class

THE JESSE H. JONES NAVAL SCHOLARS

Richard Fleming Brown of the Junior Class

William Scott Daubin, Jr., of the Sophomore Class

John Paul Kline, Jr., of the Sophomore Class

Roy George Scudday of the Junior Class

Peter Douglas Tillman of the Senior Class

Guy Charles Windheim of the Junior Class

THE LADY WASHINGTON TEXAS CENTENNIAL SCHOLAR

Joyce Elaine Ilse of the Sophomore Class

THE PATRONS OF E. L. LESTER AND COMPANY SCHOLAR

Franklin Odell Smoak of the Incoming Freshman Class

THE M. DAVID LOWE'S PERSONNEL SERVICES, INC. SCHOLAR

George Richard Carter of the Sophomore Class

THE LUBRIZOL SCHOLAR

John Michael Visinsky of the Sophomore Class

THE MARGARET BROKOW McCANN SCHOLAR

Rebecca Elizabeth Rosenberg of the Junior Class

THE T. S. MARTINO SCHOLARS

John Richard Beavers of the Sophomore Class

Robert Dale Bernauer of the Sophomore Class

Pascual Lou Piedfort of the Sophomore Class

Sam Knox Reed, Jr., of the Sophomore Class

Danny Lynn Van Winkle of the Sophomore Class

Leland Alfred Winston of the Sophomore Class

THE LEONARD S. MEWHINNEY SCHOLAR

Reserved

THE ACHILLE AND MALLINE MEYER MEMORIAL SCHOLAR

Steven Lan Guthier of the Junior Class

THE FANNIE BESS EMERY MONTGOMERY SCHOLAR

Juanita Wesley Newman of the Junior Class

THE IDA R. NUSSBAUM AND HANNA E. NUSSBAUM SCHOLAR

Michael Robert Joye of the Junior Class

THE REBECCA RAPHAEL AND LILY G. NUSSBAUM SCHOLAR

Mary Mann Kipp of the Junior Class

THE PRICE WATERHOUSE FOUNDATION SCHOLARS

Warren Wilson Cole of the Senior Class

Paul B. W. Miller of the Senior Class

Richard Donnard Parker of the Senior Class

THE PROCTER AND GAMBLE SCHOLARS

Donald Paul Golden, Jr., of the Junior Class

Joe Bennett Hess of the Junior Class

Stanley Lawrence Marple, Jr., of the Sophomore Class

Michael Penn Smith of the Incoming Freshman Class

Ronald Melvin Zweighaft of the Freshman Class

THE EMANUEL RAPHAEL AND MOSE RAPHAEL SCHOLAR

Joseph Guy Rollins, III, of the Junior Class

THE EDITH RIPLEY SCHOLARS

Barbara Frances Clark of the Junior Class

Juanita Wesley Newman of the Junior Class

Linda Kay Summers of the Junior Class

THE JAMES M. ROCKWELL AND SARAH WADE ROCKWELL SCHOLARS

Patricia Ann Broun of the Sophomore Class

Dana Derward Copeland of the Junior Class

Barrett Lee Lambert of the Senior Class

Charlotte Jahnke Outlaw of the Sophomore Class

Jerry Clifton Outlaw of the Junior Class

THE BENJAMIN E. AND CATHARINE WITHERS ROPER MEMORIAL SCHOLAR

Richard Allan Graham of the Sophomore Class

THE SCHLUMBERGER COLLEGIATE AWARDS

John Vaughn Bergman, Jr., of the Senior Class

Stuart Allen Long of the Senior Class

THE SARA STRATFORD SCHOLAR

Reserved

THE TEAGLE FOUNDATION SCHOLARS

of the Incoming Freshman Class

Hollis Hill Bond

John Robert Christensen

Edward Martin Emmett

Arthur Dennis Gibbons

Deborah Elaine Kaiser

Jane Marie Kominek

Robert Sidney Martin

Camilla Rebecca May

Michael Glen Mullen

Teresa Anne Parks

Thomas Allan Post

Alan Brooks Richards

Richard John Ruckman

George Caldwell Vordenbaumen, Jr.

Alan Dean Wiederhold

Patricia Elaine Wimmer

THE TEXACO SCHOLARS

Kenneth Earl Dahlberg of the Junior Class

Robert Neal Flatt of the Sophomore Class

James Michael Grossman of the Junior Class

Clifford Dean Morris, Jr., of the Sophomore Class

Eugene Otto Mutschler, III, of the Sophomore Class

Carl Held Novotny of the Junior Class

Terry Gene Pendleton of the Junior Class

Dennis Keith Swanson of the Junior Class

THE H. PLATT THOMPSON SCHOLAR

Bruce Leonard Morris of the Junior Class

THE UNIVERSITY WOMEN'S ALLIANCE SCHOLAR IN MEMORY OF THE LATE MRS. PAUL GOODRICH

Shirley Gene Revis of the Junior Class

UNDERGRADUATE SCHOLARSHIPS (Continued)

THE UNIVERSITY WOMEN'S ALLIANCE SCHOLAR
Linda Lee Eggleston of the Sophomore Class

THE CONCRETE PRODUCTS DIVISION OF THE VULCAN MATERIALS
COMPANY SCHOLARS IN ARCHITECTURE

1966-67
David William Colby of the Senior Class

1967-68
Ronald Erik Fridlind of the Senior Class
Richard Haviland Robinson of the Senior Class

THE JOHN B. WARREN, JR., SCHOLARS
Robert Shell Nelson of the Sophomore Class
Kerry Dean Vandell of the Sophomore Class

THE HARRIS WEINGARTEN SCHOLAR
James Thomas Tighe of the Junior Class

THE WESTERN ELECTRIC FUND SCHOLAR
James Thomas Tighe of the Junior Class

*An alphabetical listing is followed where several students
receive awards under the same scholarship fund.*

PRIZES AND AWARDS

THE AMERICAN INSTITUTE OF ARCHITECTS—MARBLE INSTITUTE OF
AMERICA REGIONAL AWARD IN ARCHITECTURE FROM
WILSON, MORRIS, CRAIN, AND ANDERSON

Jeffrey Davenport Ryan of the Senior Class

THE ALPHA RHO CHI AWARD IN ARCHITECTURE

David William Colby

THE AMERICAN INSTITUTE OF ARCHITECTS SCHOOL MEDAL AWARD

Robert Doss Mabe

THE EDWARD B. ARRAANTS AWARD

William Laurin McCracken

THE HUBERT E. BRAY AWARD

Patricia Margaret Dawson of the Freshman Class

THE RALPH BUDD AWARD

George Jiro Hirasaki

THE LADY GEDDES PRIZE IN WRITING

Kenneth Alan Smith of the Freshman Class

THE HAMILTON WATCH AWARD

Warner Steven Strang

THE CLAUDE W. HEAPS PRIZE IN PHYSICS

Paul Wellman Worden, Jr., of the Senior Class

THE CAPTAIN CHARLES SEPTIMUS LONGCOPE AWARD

Reserved

THE WILLIAM DUNLAP DARDEN MEMORIAL AWARD IN ARCHITECTURE

Carl Walders Landow

THE ENGINEERING ALUMNI WATCH AWARD

Robert Ellis Savoie

THE J. T. McCANTS PRIZE IN ACCOUNTING

Patricia Ann Kendrick of the Senior Class

THE MEADOR DEAN FRANCIS AWARD

Robert Douglas Gillette of the Junior Class

THE MAX FREUND PRIZE IN GERMAN

Stephen Wallace of the Junior Class

THE JOHN W. GARDNER AWARDS

Siert Edward De Jong

Thomas Frank Lockwood

THE SIGMA XI RESEARCH AWARDS

Henry Crawford Goldwire, Jr.

Peter Marston Hierl

Arthur Herbert Lusty, Jr.

THE WALSH PRIZES IN ARCHITECTURE

Jeffry Lewis Corbin of the Senior Class

Carl Richard Everett of the Senior Class

Joe Ray Milton of the Junior Class

THE H. A. WILSON AWARD

Howard Allan Blackstead

THE ELOISE SZABO WITTE STUDENTSHIPS IN HISTORY

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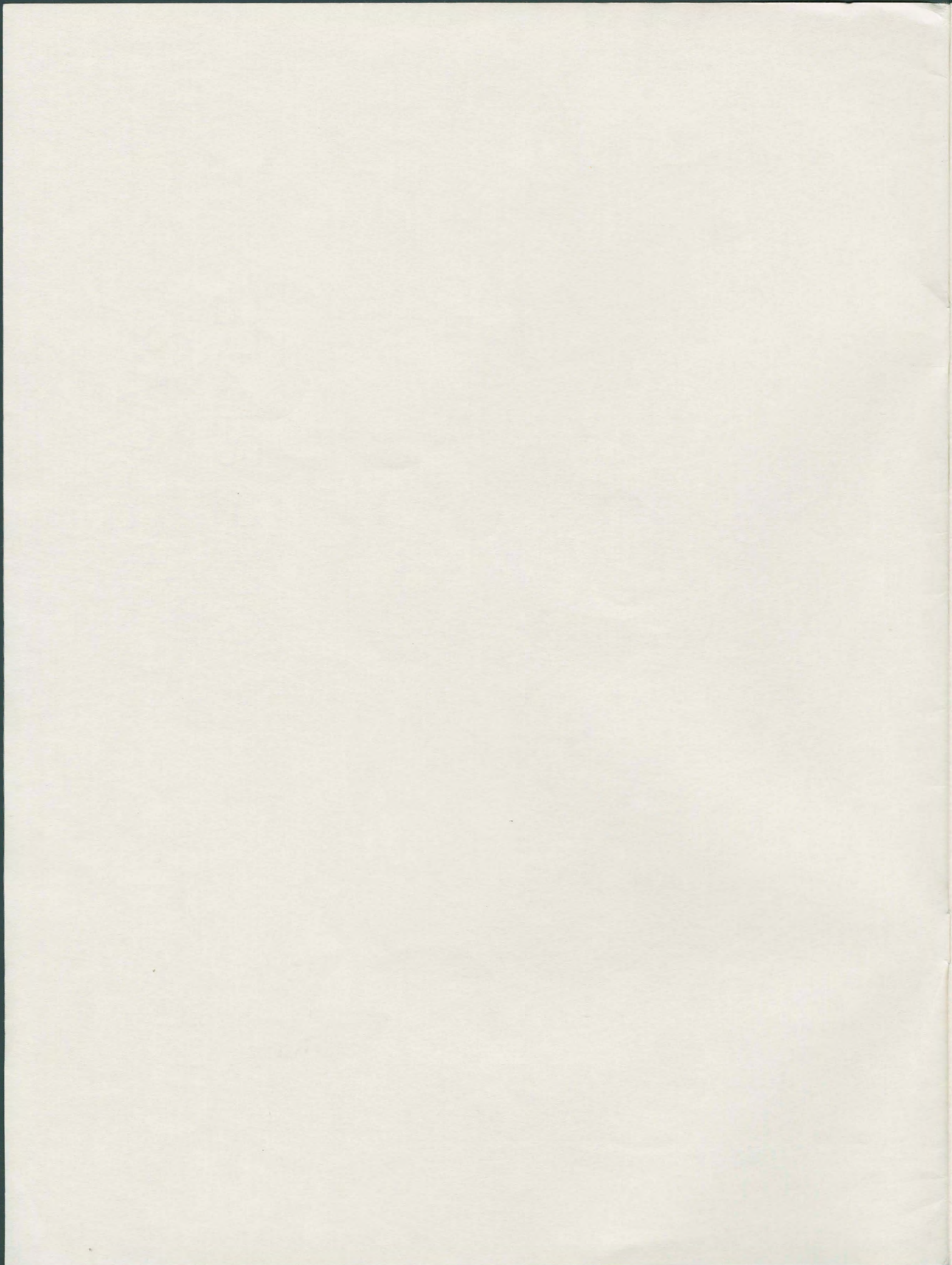
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John S. Barrington



THE FIRST FIVE YEARS

1. The first five years of a child's life are the most important years of his life. During this time, the child's brain is developing rapidly, and he is learning to walk, talk, and think. The child's personality is also beginning to form, and he is learning to deal with the world around him. The first five years are a time of great growth and change, and it is important for parents to provide a loving and supportive environment for their child.

2. The first five years of a child's life are also a time when the child is learning to form relationships with others. He is learning to share, to cooperate, and to resolve conflicts. These are the building blocks of social skills, and they are essential for a child's success in life. Parents should encourage their child to interact with others and to learn from their experiences.

3. The first five years of a child's life are also a time when the child is learning to regulate his emotions. He is learning to control his anger, his sadness, and his fear. This is a process that takes time and practice, and it is important for parents to help their child learn to manage his emotions in a healthy way.

4. The first five years of a child's life are also a time when the child is learning to develop a sense of self. He is learning to understand his own strengths and weaknesses, and he is learning to set goals for himself. This is a process that takes time and practice, and it is important for parents to help their child develop a positive self-image.

5. The first five years of a child's life are also a time when the child is learning to develop a sense of responsibility. He is learning to take care of his belongings, to follow rules, and to be honest. These are the building blocks of responsibility, and they are essential for a child's success in life. Parents should encourage their child to take responsibility for his actions and to learn from his mistakes.

6. The first five years of a child's life are also a time when the child is learning to develop a sense of curiosity. He is learning to ask questions, to explore, and to learn from his experiences. This is a process that takes time and practice, and it is important for parents to encourage their child to be curious and to learn from his experiences.

7. The first five years of a child's life are also a time when the child is learning to develop a sense of empathy. He is learning to understand the feelings of others, to share, and to help. This is a process that takes time and practice, and it is important for parents to help their child develop a sense of empathy.

8. The first five years of a child's life are also a time when the child is learning to develop a sense of resilience. He is learning to cope with stress, to overcome challenges, and to learn from his experiences. This is a process that takes time and practice, and it is important for parents to help their child develop a sense of resilience.

9. The first five years of a child's life are also a time when the child is learning to develop a sense of independence. He is learning to do things on his own, to make decisions, and to take responsibility for his actions. This is a process that takes time and practice, and it is important for parents to help their child develop a sense of independence.

10. The first five years of a child's life are also a time when the child is learning to develop a sense of confidence. He is learning to believe in himself, to try new things, and to learn from his experiences. This is a process that takes time and practice, and it is important for parents to help their child develop a sense of confidence.

THE NEXT FIVE YEARS

1. The next five years of a child's life are a time of continued growth and change. The child is learning to walk, talk, and think more independently, and he is learning to deal with the world around him. The child's personality is also continuing to form, and he is learning to deal with the world around him. The next five years are a time of great growth and change, and it is important for parents to provide a loving and supportive environment for their child.

2. The next five years of a child's life are also a time when the child is learning to form relationships with others. He is learning to share, to cooperate, and to resolve conflicts. These are the building blocks of social skills, and they are essential for a child's success in life. Parents should encourage their child to interact with others and to learn from their experiences.

3. The next five years of a child's life are also a time when the child is learning to regulate his emotions. He is learning to control his anger, his sadness, and his fear. This is a process that takes time and practice, and it is important for parents to help their child learn to manage his emotions in a healthy way.

4. The next five years of a child's life are also a time when the child is learning to develop a sense of self. He is learning to understand his own strengths and weaknesses, and he is learning to set goals for himself. This is a process that takes time and practice, and it is important for parents to help their child develop a positive self-image.

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