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KEY=MACGREGOR - COHEN MATTHEWS

REINFORCED CONCRETE

MECHANICS AND DESIGN, GLOBAL EDITION

For courses in architecture and civil engineering. Reinforced Concrete: Mechanics and Design uses the theory of reinforced concrete design to teach students the basic scientific and artistic principles of civil engineering. The text takes a topic often introduced at the advanced level and makes it accessible to all audiences by building a foundation with core engineering concepts. The Seventh Edition is up-to-date with the latest Building Code for Structural Concrete, giving students access to accurate information that can be applied outside of the classroom. Students are able to apply complicated engineering concepts to real world scenarios with in-text examples and practice problems in each chapter. With explanatory features throughout, the Seventh Edition makes the reinforced concrete design a theory all engineers can learn from.

REINFORCED CONCRETE

MECHANICS AND DESIGN

Prentice Hall Based on the 1995 edition of the American Concrete Institute Building Code, this text explains the theory and practice of reinforced concrete design in a systematic and clear fashion, with an abundance of step-by-step worked examples, illustrations, and photographs. The focus is on preparing students to make the many judgment decisions required in reinforced concrete design, and reflects the author's experience as both a teacher of reinforced concrete design and as a member of various code committees. This edition provides new, revised and expanded coverage of the following topics: core testing and durability; shrinkage and creep; bases the maximum steel ratio and the value of the factor on Appendix B of ACI318-95; composite concrete beams; strut-and-tie models; dapped ends and T-beam flanges. It also expands the discussion of STMs and adds new examples in SI units.

REINFORCED CONCRETE

MECHANICS AND DESIGN

The theory of reinforced concrete design is presented as a direct application of the laws of statics and behavior of reinforced concrete. This book emphasizes that a successful design must not only satisfy the design equations, but practical construction aspects as well. Covering basic undergraduate level concepts and more advanced topics, this book includes detailed treatments of flexure, shear, development and columns at a level suitable for undergraduate use, as well as the more difficult areas of strain compatibility solutions of beams, P- Δ analyses of frames, strut-and-tie models, and design for earthquake resistance. The numerous examples are all worked out completely, step-by-step.

CONCRETE INTERNATIONAL

SECOND CENTURY OF THE SKYSCRAPER

COUNCIL ON TALL BUILDINGS AND URBAN HABITAT

Springer Science & Business Media tenant is looming in importance. The owner is having more influence on the building. As

Gerald D. Hines has said, there are indications that the desire for more discretionary time will lead to more residential high-rises close to or in the midst of downtown office buildings. Downtown living could become the desired alternative. Tall buildings will be approached increasingly from the standpoint of an urban ecology - that what happens to a part can influence the whole. Providing for public as well as private needs in a tall building project is just one example (facilities for schools, shops, religious, and other needs). More attention will be paid to maintaining streets as lively and interesting places. Will a new "world's tallest" be built? Will we go a mile high? The answer is probably "yes" to the first, "no" to the second. With the recent spate of super-tall buildings on the drawing boards, going to greater heights was in the back of many people's minds at the Chicago conference. But in the United States, at least, buildings of 70 to 80 stories would appear to provide needed space consistent with economy. The future, then, is described in depth by papers that go into specific areas.

TRANSACTIONS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS

Vols. 29-30 contain papers of the International Engineering Congress, Chicago, 1893; v. 54, pts. A-F, papers of the International Engineering Congress, St. Louis, 1904.

TRANSPORTATION

CURRENT LITERATURE

ENCYCLOPEDIA OF LEADERSHIP

SAGE Publications The Encyclopedia of Leadership brings together for the first time everything that is known and truly matters about leadership as part of the human experience. Developed by the award-winning editorial team at Berkshire Publishing Group, the Encyclopedia includes hundreds of articles, written by 280 leading scholars and experts from 17 countries, exploring leadership theories and leadership practice. Entries and sidebars show leadership in action - in corporations and state houses, schools, churches, small businesses, and nonprofit organizations.

THE DEMOCRATS' DILEMMA

WALTER F. MONDALE AND THE LIBERAL LEGACY

Columbia University Press **What does Walter Mondale's career reveal about the dilemma of the modern Democratic party and the crisis of postwar American liberalism? Steven M. Gillon 's answer is that Mondale's frustration as Jimmy Carter's vice president and his failure to unseat the immensely popular President Reagan in 1984 reveal the beleaguered state of a party torn apart by generational and ideological disputes. The Democrats' Dilemma begins with Mondale's early career in Minnesota politics, from his involvement with Hubert Humphrey to his election to the United States Senate in 1964. Like many liberals of his generation, Mondale traveled to Washington hopeful that government power could correct social wrongs. By 1968, urban unrest, a potent white backlash, and America's involvement in the Vietnam war dimmed much of his optimism. In the years after 1972, as senator, as vice president, and as presidential candidate, Mondale self-consciously attempted to fill the void after the death of Robert Kennedy. Mondale attempted to create a new Democratic party by finding common ground between the party's competing factions. Gillon contends that Mondale's failure to create that consensus underscored the deep divisions within the Democratic Party. Using previously classified documents, unpublished private papers, and dozens of interviews -including extensive conversations with Mondale himself- Gillon paints a vivid portrait of the innerworkings of the Carter administration. The Democrats' Dilemma captures Mondale's frustration as he attempted to mediate between the demands of liberals intent upon increased spending for social programs and the fiscal conservatism of a president unskilled in the art of congressional diplomacy. Gillon discloses the secret revelation that Mondale nearly resigned as vice president. Gillon also chronicles Mondale's sometimes stormy relationships with Jesse Jackson, Gary Hart, and Geraldine Ferraro. Eminently readable and a means of access to a major twentieth-century political figure, The Democrats' Dilemma is a fascinating look at the travail of American liberalism.**

PROLOGUE

THE JOURNAL OF THE NATIONAL ARCHIVES

PROCEEDINGS OF THE AMERICAN SOCIETY OF CIVIL ENGINEERS

DESIGN OF CONCRETE STRUCTURES WITH STRESS FIELDS

Birkhäuser 17 2 STRESS FIELDS FOR SIMPLE STRUCTURES 2. 1 INTRODUCTION In this chapter the behavior and strength of simple structures made of reinforced or prestressed concrete is investigated with the aid of stress fields. In particular, the webs and flanges of beams, simple walls, brackets, bracing beams and joints of frames are investigated. By this means, the majority of design cases are already covered. In reality, all structural components are three-dimensional. Here, however, components are considered either directly as two-dimensional plate elements (i. e. the plane stress condition with no variation of stress over the thickness of the element) or they are subdivided into several plates. Since two-dimensional structural elements are statically redundant, it is possible for a particular loading to be in equilibrium with many (theoretically an infinite number of) stress states. If the lower bound method of the theory of plasticity is employed, then an admissible stress field or any combination of such stress fields may be selected. In chapter 4 it is shown that this method is suitable for the design of reinforced concrete structures, and the consequence of the choice of the final structural system on the structural behavior is dealt with in detail. The first cases of the use of this method date back to Ritter [6] and Morsch [4], who already at the beginning of the century investigated the resultants of the internal stresses by means of truss models.

DESIGN OF REINFORCED CONCRETE

John Wiley & Sons Incorporated **Publisher Description**

PROCEEDINGS

DEAD CENTER

CLINTON-GORE LEADERSHIP AND THE PERILS OF MODERATION

Simon and Schuster "The urgent question of our time is whether we can make change our friend and not our enemy....To renew America, we must be bold...must revitalize our democracy....Together with our friends and allies, we will work to shape change, lest it engulf us." With those inaugural words, William Jefferson Clinton began his first term as President of the United States. Now, a Pulitzer Prize-winning historian and a former White House aide provide the first penetrating, thoughtful evaluation of President Clinton's leadership. Before he was voted into office, Bill Clinton told the authors in an interview that he wanted to be a transforming leader, a president who would fashion real and lasting change in peoples' lives, in the tradition of Franklin Delano Roosevelt. But how has this president, who has sought to

lead from the center with his vice president, Al Gore, and the First Lady, Hillary Rodham Clinton, measured up against his own stated goals and the aspirations and performances of other presidents since World War II? From the health care debacle and the 1994 midterm elections that swept the Republicans to a majority in both houses of Congress to the effect of scandal and impeachment on his ability to govern, *Dead Center* examines the leadership style of Bill Clinton and offers a forceful challenge to the strategy of centrism. There is no more respected presidential historian than James MacGregor Burns, author of several acclaimed books on leadership and the Pulitzer Prize-winning study of Franklin D. Roosevelt. Georgia J. Sorenson adds her own insights as a political scientist and presidential scholar. Their combined efforts have resulted in an incisive, informative, authoritative work and an absorbing read.

PUBLIC WORKS WEEKLY SURVEYOR

LEADERSHIP WITHOUT EASY ANSWERS

Harvard University Press Drawing on a dozen years of research among managers, officers, and politicians in the public realm and the private sector, among the nonprofits, and in teaching, Heifetz presents clear, concrete prescriptions for anyone who needs to take the lead in almost any situation, under almost any organizational conditions, no matter who is in charge.

ACI MATERIALS JOURNAL

JOURNAL - PRESTRESSED CONCRETE INSTITUTE

ACI STRUCTURAL JOURNAL

JOURNAL OF THE AMERICAN CONCRETE INSTITUTE

SURVEYOR

THE SURVEYOR & MUNICIPAL & COUNTY ENGINEER

CATALOG OF COPYRIGHT ENTRIES. THIRD SERIES

1973: TITLE INDEX

Copyright Office, Library of Congress

DEVELOPMENT OF A PROBABILITY BASED LOAD CRITERION FOR AMERICAN NATIONAL STANDARD A58

BUILDING CODE REQUIREMENTS FOR MINIMUM DESIGN LOADS IN BUILDINGS AND OTHER STRUCTURES

CONCRETE TECHNOLOGY TODAY

THE AMERICAN EXPERIMENT

THE VINEYARD OF LIBERTY, THE WORKSHOP OF DEMOCRACY, AND THE CROSSWINDS OF FREEDOM

Open Road Media **The Pulitzer Prize-winning author's stunning trilogy of American history, spanning the birth of the Constitution to the final days of the Cold War. In these three volumes, Pulitzer Prize- and National Book Award-winner James MacGregor Burns chronicles with depth and narrative panache the most significant cultural, economic, and political events of American history. In The Vineyard of Liberty, he combines the color and texture of early American life with meticulous scholarship. Focusing on the tensions leading up to the Civil War, Burns brilliantly shows how Americans became divided over the meaning of Liberty. In The Workshop of Democracy, Burns explores more than a half-century of dramatic growth and transformation of the American landscape, through the addition of dozens of new states, the shattering tragedy of the First World War, the explosion of industry, and, in the end, the emergence of the United States as a new global power. And in The Crosswinds of Freedom, Burns offers an articulate and incisive examination of the US during its rise to become the world's sole superpower—through the Great Depression, the Second World War, the Cold War, and the rapid pace of technological change that gave rise to the "American Century."**

PROBABILISTIC BASIS FOR DESIGN CRITERIA IN REINFORCED CONCRETE

A COLLECTION OF PAPERS

Amer Society of Civil Engineers

CHOICE

ASCE COMBINED INDEX

Indexes materials appearing in the Society's Journals, Transactions, Manuals and reports, Special publications, and Civil engineering.

THE DEFINITIVE FDR

ROOSEVELT: THE LION AND THE FOX (1882-1940) AND ROOSEVELT: THE SOLDIER OF FREEDOM (1940-1945)

Open Road Media **A Pulitzer Prize-winning historian's dramatic biography of Franklin Delano Roosevelt, US president during the Depression and WWII. Franklin Delano Roosevelt was the longest serving president in US history, reshaping the country during the crises of the Great Depression and World War II. James MacGregor Burns's magisterial two-volume biography tells the complete life story of the fascinating political figure who instituted the New Deal. Roosevelt: The Lion and the Fox (1882-1940): Before his ascension to the presidency, FDR laid the groundwork for his unprecedented run with decades of canny political maneuvering and steady consolidation of power. Hailed by the New York Times as "a sensitive, shrewd, and challenging book" and by Newsweek as "a case study unmatched in American political writings," The Lion and the Fox details Roosevelt's youth and education, his rise to national prominence, all the way through his first two terms as president. Roosevelt: The Soldier of Freedom (1940-1945): The Pulitzer Prize and National Book Award-winning history of FDR's final years examines the president's skillful wartime leadership as well as his vision for postwar peace. Acclaimed by William Shirer as "the definitive book on Roosevelt in the war years," and by bestselling author Barbara Tuchman as "engrossing, informative, endlessly readable," The Soldier of Freedom is a moving profile of a leader gifted with rare political talent in an era of extraordinary challenges.**

DISSERTATION ABSTRACTS INTERNATIONAL

RETROSPECTIVE INDEX, VOLUMES I-XXIX.

THE WORKSHOP OF DEMOCRACY, 1863-1932

Open Road Media The second volume of Burns's acclaimed history of America, from the end of the Civil War to the beginning of the Great Depression Abraham Lincoln's Gettysburg Address pointed to a new way to preserve an old hope—that democracy might prove a vibrant and lasting form of government for people of different races, religions, and aspirations. The scars of the Civil War would not soon heal, but with that one short speech, the president held out the possibility that such a nation might not simply survive, but flourish. The Workshop of Democracy explores more than a half-century of dramatic growth and transformation of the American landscape, through the addition of dozens of new states, the shattering tragedy of the First World War, the explosion of industry, and, in the end, the emergence of the United States as an new global power.

TO ENGINEER IS HUMAN

THE ROLE OF FAILURE IN SUCCESSFUL DESIGN

St. Martin's Press "Though ours is an age of high technology, the essence of what engineering is and what engineers do is not common knowledge. Even the most elementary of principles upon which great bridges, jumbo jets, or super computers are built are alien concepts to many. This is so in part because engineering as a human endeavor is not yet integrated into our culture and intellectual tradition. And while educators are currently wrestling with the problem of introducing technology into conventional academic curricula, thus better preparing today's students for life in a world increasingly technological, there is as yet no consensus as to how technological literacy can best be achieved. " I believe, and I argue in this essay, that the ideas of engineering are in fact in our bones and part of our human nature and experience. Furthermore, I believe that an understanding and an appreciation of engineers and engineering can be gotten without an engineering or technical education. Thus I hope that the technologically uninitiated will come to read what I have written as an introduction to technology. Indeed, this book is my answer to the questions 'What is engineering?' and 'What do engineers do?'" - Henry Petroski, To Engineer is Human

FAILURES IN CONCRETE STRUCTURES

CASE STUDIES IN REINFORCED AND PRESTRESSED CONCRETE

CRC Press Some lessons are only learned from mistakes but, it's much cheaper to learn from someone else's mistakes than to have to do so from your own. Drawing on over fifty years of working with concrete structures, Robin Whittle examines the problems which he has seen occur and shows how they could have been avoided. The first and largest part of the

UNIFIED THEORY OF CONCRETE STRUCTURES

John Wiley & Sons **Unified Theory of Concrete Structures** develops an integrated theory that encompasses the various stress states experienced by both RC & PC structures under the various loading conditions of bending, axial load, shear and torsion. Upon synthesis, the new rational theories replace the many empirical formulas currently in use for shear, torsion and membrane stress. The unified theory is divided into six model components: a) the struts-and-ties model, b) the equilibrium (plasticity) truss model, c) the Bernoulli compatibility truss model, d) the Mohr compatibility truss model, e) the softened truss model, and f) the softened membrane model. Hsu presents the six models as rational tools for the solution of the four basic types of stress, focusing on the significance of their intrinsic consistencies and their inter-relationships. Because of its inherent rationality, this unified theory of reinforced concrete can serve as the basis for the formulation of a universal and international design code. Includes an appendix and accompanying website hosting the authors' finite element program SCS along with instructions and examples Offers comprehensive coverage of content ranging from fundamentals of flexure, shear and torsion all the way to non-linear finite element analysis and design of wall-type structures under earthquake loading. Authored by world-leading experts on torsion and shear

STRENGTH OF MATERIALS AND STRUCTURES

Elsevier Engineers need to be familiar with the fundamental principles and concepts in materials and structures in order to be able to design structures to resist failures. For 4 decades, this book has provided engineers with these fundamentals. Thoroughly updated, the book has been expanded to cover everything on materials and structures that engineering students are likely to need. Starting with basic mechanics, the book goes on to cover modern numerical techniques such as matrix and finite element methods. There is also additional material on composite materials, thick

shells, flat plates and the vibrations of complex structures. Illustrated throughout with worked examples, the book also provides numerous problems for students to attempt. New edition introducing modern numerical techniques, such as matrix and finite element methods Covers requirements for an engineering undergraduate course on strength of materials and structures

APPLIED MECHANICS REVIEWS

GODEX STRUCTURAL INFORMATION SERVICE

DESIGN OF PRESTRESSED CONCRETE

SOLUTIONS MANUAL

Wiley