

Contents

I. INTRODUCTION

1. Work, Health, and Productivity: Overview, 3
Frank Baker and Gareth M. Green
2. Historical Perspective on Work, Health, and Productivity, 19
Jacqueline K. Corn

II. INDUSTRIAL ENVIRONMENT REGARDING HEALTH AND PRODUCTIVITY, 31

3. Physical and Chemical Agents at the Workplace, 35
Edward A. Emmett
4. Meeting Regulatory Standards for Physical and Chemical Agents, 45
Morton Corn
5. Biological Indicators of Susceptibility, 53
Richard Evans III, Suzanne M. Fortney, †Harold A. Menkes, Carol A. Newill,
and Bernice H. Cohen
6. Screening and Monitoring for Susceptibility and Health:
Techniques for Assessing Exposure and Response, 71
Genevieve M. Matanoski
7. Injury Prevention in the Workplace, 86
Susan P. Baker, Ann H. Myers, and Gordon S. Smith
8. Biomechanical Basis for Prevention of Overexertion
and Impact Trauma in Industry, 100
Don B. Chaffin

III. CHANGES IN THE WORKPLACE: RESULTS OF THE POSTINDUSTRIAL REVOLUTION, 113

9. Stresses and Patterns of Adjustment in the Postindustrial Factory, 115
Larry Hirschhorn
10. Health Issues in Office Work, 127
David D. Celentano
11. Stress in the Work and Home Environments as Related
to Ischemic Heart Disease Risk Factors, 142
Marie A. Morell, Megan E. Sullaway, and Vicki S. Helgeson

IV. STRESS, HEALTH, AND PRODUCTIVITY IN VARIOUS WORK ENVIRONMENTS, 161

12. Health, Stress, and Productivity in the Japanese Workforce, 165
Hiroya Kubota
13. Psychosocial Factors in the Workplace, 179
Gunn Johansson and Gunnar Aronsson
14. Work Values and Work Performance: Critical Commentary from a Comparative Perspective, 198
Raymond G. Hunt

V. MANAGING FOR HEALTH AND PRODUCTIVITY, 215

15. Costs of Illness in the Workplace, 217
Diana Chapman Walsh
16. Health, Productivity, and the Economic Environment: Dynamic Role of Socioeconomic Status, 241
M. Harvey Brenner
17. Health Promotion at the Worksite, 256
Jonathan Fielding

VI. CONCLUSIONS AND ISSUES FOR FUTURE WORK, 277

18. Conclusions, 279
Gareth M. Green and Frank Baker
19. Issues for Future Work, 286
Gareth M. Green and Frank Baker

Author Index, 293

Subject Index, 304