The Study of Real Skills
Volume 3

Manageneric SXXIII

Edited by W.T. Singleton

The Study of Real Skills Volume 3

Management Skills

Edited by

W. T. Singleton MA DSc Professor of Applied Psychology University of Aston in Birmingham

University Park Press Baltimore

Published in USA and Canada by University Park Press 300 North Charles Street Baltimore, Maryland 21201

> Published in UK by MTP Press Limited Falcon House Lancaster, England

Copyright © 1981 MTP Press Limited

First published 1981
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior permission from the publishers.

ISBN 0-8391-1683-7 LCC 81-50284

Printed in Great Britain

Contributors

Ken G. Burnett

BOC International Chartridge Lodge Chesham Bucks HP5 2TU



After accountancy training he was initiated into Sales and Marketing with Procter and Gamble in the late 1950s. In 1964 he joined P. A. Management Consultants and in the next seven years completed more than 40 assignments in the UK and Eire. Since 1972, he has worked freelance in four continents. Currently he is also Sales and Marketing Tutor at British Oxygen's Management Centre at Chartridge, Bucks. He is a member of the Institute of Management Consultants and a member of the Institute of Marketing.

Peter F. C. Castle

4 Chemin des Bougeries 1231 Conches Geneva Switzerland



After serving in the Navy throughout the War, he studied psychology at Cambridge at the time when Professor Bartlett was developing his ideas about skill. He then worked for some years in London at the National Institute of Industrial Psychology and at Kodak Ltd. He has masters and doctoral degrees in psychology and professional qualifications in psychology and personnel management. Since 1956 he has been an international civil servant with the ILO in Geneva.

Norman Chell

Manager Training and Development Dunlop Ltd. Company Training Department Co-operative House Prince's Street Stafford ST16 2BT



In a first career in the aerospace industry he started as an aircraft apprentice working on bi-planes at RAF Halton and finished with responsibilities for work on guided missiles for Hawker Siddeley Dynamics thirty years later. In a second career, which commenced in 1968, he held appointments as Group Management Tutor and Senior Instructor Management Studies with the Dunlop Company's Central Training Department before taking up his present job with the Dunlop Company as Manager-Training and Development. He has wide experience of management development in Europe, Africa and the Far East.

Stuart Cumella

MSC Employment Service Division
Employment Rehabilitation Research Centre
Vincent Drive
Edgbaston
Birmingham B15 2TD



Educated at the London School of Economics (BSc Econ), the University of Strathclyde (MSc Politics) and the University of Stirling (professional qualification in Social Work). He has worked in Birmingham Social Services Department, Edinburgh Social Work Department and Lothian Region Social Work Department. He has experience as a social worker in area offices, a health centre, a mental hospital and a community home. Since 1977 he has been employed as Social Worker/Researcher at the Employment Rehabilitation Research Centre, Birmingham.

Alan Hedge

Applied Psychology Department University of Aston in Birmingham Gosta Green Birmingham B4 7ET



He graduated from the University of Sheffield with Bachelor's and Master's degrees in Zoology, he then attended the University of Aston in Birmingham and graduated with a Master's degree in Applied Psychology. He returned to the University of Sheffield for doctoral research in Experimental Psychology. From 1974 to 1976 he worked on environmental research for two Metropolitan County Councils, since 1976 he has been lecturer in Environmental Psychology at the University of Aston in Birmingham.

E. B. McGinnis

Department of Health and Social Security Friars House 157–168 Blackfriars Road London SE1 8EU



He joined the Civil Service after graduating from Cambridge, and has been concerned at various times with the War Pensions Scheme, with benefits for others who are impaired or handicapped, with retirement and unemployment benefits, and with Establishment matters. Currently he is an Under Secretary in the Department of Health and Social Security.

Philip Moorhouse

3 Chichester Lane Hampton Magna Warwick



After graduating from Queen Mary College (University of London) with a degree in mathematics with social sciences, Philip Moorhouse attended Stirling University to read a Master's degree in mathematical psychology. He then joined Dunlop Ltd., and through a collaborative postgraduate scheme with Aston University, undertook doctoral research into managerial skills to assist in Company management development activities. He has subsequently joined a managerial team at one of the Company's operating Divisions.

Captain M. R. H. Page, RN

Ministry of Defence, Ensleigh, Bath, Avon.



Michael Page is serving in the Ministry of Defence as a Deputy Director of Ship Weapon Systems. His Service career has embraced a broad range of sea and shore based jobs within the Weapons field. Early engineering experience was reinforced by a masters course in Applied Psychology during a sabbatical year at Aston University. These together provided the theme for his doctoral research into Personality and Leadership in the Technical Environment of the Royal Navy. He is a convinced advocate of the multi-disciplinary approach to team formation and project management, claiming that Human Factors are not given sufficient weight in UK affairs.

Neil Pendleton

44 Woodhouse Lane Sale Cheshire M33 7JY



Graduate in psychology and sociology and as a qualified teacher from the University of Sheffield. Later obtained a Diploma in Town and Regional Planning from Leeds Polytechnic. He has worked since 1974 in local government planning departments on a wide range of strategies, corporate and local planning exercises. Currently he is a Senior Planning Officer in Manchester City Planning Department and is involved in inner city planning and land availability systems.

John H. Plumb

Dairy Farm Arnolds Lane Maxstoke Coleshill Warks.



He was brought up on the family farm and gained further practical farming experience in various European countries. After graduating from Wye College with a bachelors degree in Agricultural Economics he joined the South American Missionary Society for two years working on development projects for the Indian tribes of Northern Argentina. He now manages his father's tenanted farm in Warwickshire, which produces milk and corn.

Gerry Randell

University of Bradford Management Centre Emm Lane Bradford West Yorkshire BD9 4JL



He started work as an industrial chemist but later graduated in psychology and worked as an industrial psychologist in the Operational Research Department of J. Lyons and Co. and for LEO Computers. He then spent seven years on the staff of the University of London at Birkbeck College, where he obtained his Masters and Doctorate degrees. Currently he is Senior Lecturer in Occupational Psychology at the Bradford University Management Centre. He is consultant in staff development for many companies.

Brian L. Richardson

Solihull Area Health Authority 21 Poplar Road Solihull West Midlands B91 2BQ



After qualifying as a chartered accountant, his National Service was in Secretarial (Accounts) Branch of the RAF. He left accounting in 1964 for University Administration and in 1975 joined the re-organized National Health Service. Currently he is Treasurer of an Area Health Authority.

W. T. Singleton

Applied Psychology Department University of Aston in Birmingham Gosta Green Birmingham B4 7ET



After graduating in Natural Sciences and in Moral Sciences (Psychology) he stayed in Cambridge as a member of a research unit in the Department of Psychology. Later he worked for six years in the industrial Midlands on Human Performance and spent a similar period at the College of Aeronautics, Cranfield in engineering production. For the past fifteen years he has been Head of the Department of Applied Psychology, University of Aston in Birmingham.

Brian Wilson

Head of Organization and Human Resources Group Cranfield School of Management Cranfield Bedford MK43 0AL



Graduated in Chemistry with Maths at the University of London and obtained his doctoral degree from London University in Organic Chemistry. Started his working career as a research chemist with the UKAEA but, pursuing his interest in people, he moved into plant management and then into organization development with ICI, and finally into Personnel Management with BOC and Babcock. Currently he is Professor of Organization and Human Resources in The Cranfield School of Management.

Contents

	CONTRIBUTORS	ix
	INTRODUCTION W. T. Singleton The concept Skill appraisal The preceding books Skills so far The way forward	1
1	SYSTEMS THEORY AND SKILL THEORY Introduction General systems theory Biological systems theory Man-machine systems Sociotechnical systems Organizational systems and societal systems Systems theory and skill theory Managers as system components	11
2	THE FARM J. H. Plumb Introduction The tasks of the farm manager The skills of the farm manager	32
3	MANAGEMENT OF MILITARY ORGANIZATION M. R. H. Page Introduction Specific aspects of military management	47

	Previous research on naval management The Royal Navy in peacetime Preparation for battle Kinds of management task A basic model Leadership and selection Development of skills	
4	UNIVERSITIES W. T. Singleton Introduction The University department Management skills outside the department Management skills inside the department Conclusion	67
5	THE NATIONAL HEALTH SERVICE B. L. Richardson Introduction Kinds and levels of management Medical and management interactions Management tasks Management skills Conclusion	84
6	THE SOCIAL SERVICES S. Cumella Social services departments The area manager: responsibilities and background The area manager: tasks and skills Discussion	100
7	THE TOWN PLANNER A. Hedge and N. Pendleton Introduction The formal town planning system in England and Wales The organizational context of town planning The work of planning departments Management skills in town planning Conclusions	116
8	THE CIVIL SERVICE E. B. McGinnis Similarities and differences Managers and others Skills: single and grouped Essential skills Coal faces Getting in and getting on	136

CONTENTS	vii

9	MANAGEMENT IN INTERNATIONAL ORGANIZATIONS P. F. C. Castle	153
	Introduction	
	Task analysis	
	Skills analysis	
10	PRODUCTION MANAGEMENT P. Moorhouse	161
	Preface	
	Introduction The acceptable approach	
	The research approach The production director	
	The departmental manager	
	The technical director	
	Discussion	
11	THE PERSONNEL MANAGER B. Wilson	187
11	Introduction	10/
	Manpower planning	
	Personnel skills and management values/style	
	The manpower planning process	
	The management development system	
	The skills of the personnel team	
	The effective personnel manager	
12	THE MARKETING MANAGER K. G. Burnett	204
	Marketing in concept	
	Marketing in practice	
	Conclusions	
13	LINE MANAGEMENT AND MANAGEMENT SERVICES W. T. Singleton	225
	Introduction	
	The management service role	
	Management service procedure	
	Communication	
	Implementation	
	Management service skills	
	Line management skills	
	Management service careers	
	A case study	
14	MANAGEMENT EDUCATION AND TRAINING G. A. Randell	239
	Introduction	

The nature of managerial skill
Skills and management training
Encouraging managers to become skilful
Training in management skills
Extending skills

15 MANAGEMENT DEVELOPMENT H. N. Chell

254

Introduction

The background

The nature of management development

Management tasks

Management skills

Acquisition of skill

Management training

Conclusion

16 FINAL DISCUSSION W. T. Singleton

281

Organizations

Management

Leadership

Managers

Management skills

Management development

Concepts of skill

Conclusion

AUTHOR INDEX

SUBJECT INDEX

Introduction

W. T. SINGLETON

THE CONCEPT

This is the third in a series of books devoted to the study of real skills. The topic is management. A book on social skills is still to come and it might seem that the sequence should be reversed on the grounds that social skills are obviously one element in management skills but it is appropriate to deal with management first on the criterion of increasing complexity. Management skills are easier to understand than general social skills. This is because the defining characteristic of a skill is a purpose. The purpose of organizations in which managers operate and the tasks in which they are engaged are not easy to define but they are certainly less obscure than are the more general purposes of communities and people interactions in which the complete range of social skills is practised.

Skills, like purposes, are inherently to do with people. It follows that the 'skills view' of management will be as a people-based activity. Individuals carry out management tasks and these tasks always involve other individuals, of whom some are subordinate, some superior and some equivalent within the hierarchy of the particular management organization. The concept of a hierarchy is as central to management as it is to skills. The alternative to hierarchy is anarchy.

Management is not solely concerned with people. The manager's job is to deploy the available resources — space, equipment, money and people — in an optimum way to achieve some purpose. Although every experienced manager is aware of the importance of the human resources of the enterprise he often does not give them the attention they deserve because the current fashion, particularly in higher management, is to rely on numerical data. The standard data are financial since they are generally applicable to all resources

but this only provides negative information about human resources. We can estimate the cost of the human resource of an organization in terms of expenditure required to acquire, maintain and develop it. This is important because there must be economy in total resources, but it is not crucial. What really matters is the value of the human resources to the achievement of purpose, that is, to the success of the enterprise as a whole.

The point was made in the first skills book that only a human being can make trade-offs between measurements or descriptions in different domains and that this is a general characteristic of skilled performance. Managers have to be human because they are essentially trading off costs and values. The key resource in organization costs is money; the key resource in organization value is people. For any enterprise and any resource it is so much easier to estimate a cost than it is to estimate a value. It is therefore not surprising that the unskilled manager concentrates on the relatively easy issues to do with space, equipment and money. He may try to avoid the values issue completely by relying on other people, his customers, to translate the value of his enterprise back into costs, in other words to pay for his products. This is the principle of the market place. The perfect market requires complete information, skilled customers and a clearly defined product.

Enterprises in modern societies are much too varied and complex for their success to be judged solely on rewards arising from what the customers pay. In many enterprises (perhaps most) someone at some level in the organization or outside it, has to make value assessments and convey these to people at various levels in the organization. The simple market discipline may operate for a small manufacturing or service company but even here there are many complications to do, for example, with the ability of the customer to assess what he is receiving. A National Health Service and a United Nations Organization are typical of enterprises where the value of the output is extraordinarily difficult to assess. One partial solution to this issue is to rely on the close relationship between the effectiveness of the organization and the effectiveness, that is the skill level, of the people in the organization. If the personnel are appropriately skilled the organization will be effective. This would be tautologous if we could only define skills in terms of achievements but this is not so. There are general principles of skilled performance which are independent of the particular achievement. In so far that these can be clarified. skill appraisal need not be entirely in terms of criteria such as organizational objectives. This is contrary to much current management thinking that the meeting of objectives is the beginning and ending of all criteria of management activity. This has become such an unquestioned axiom that the possibility of having to cope with situations where objectives are not definable is simply ignored. It has emerged in the earlier books in this series that skilled individuals function at the highest level when objectives are neither 'known' nor 'not known' but rather become increasingly clear as the activity proceeds. The hypothesis on which this book is based is that this proposition is as valid