

Concrete and Earth Dams in Switzerland Today

Digues et Barrages récents en Suisse

Staumauern und Dämme in der Schweiz
heute

Swiss National Committee
on Large Dams

Comité National Suisse des Grands
Barrages

Schweizerisches Nationalkomitee
für Grosse Talsperren

Contents/Matières/Inhalt

I Foreword / Avant-propos / Vorwort

II Introduction

III Short Historical Review

IV Salient Features of Some Recent Designs

- A Les Toules Dome Dam
- B Schiffenen Arch Dam
- C Gebidem Arch Dam
- D Hongrin Twin Arch Dams
- E Curnera Arch Dam
- F Santa Maria Arch Dam
- G Robiei Gravity Dam
- H Zöt Arch Dam
- I Cavagnoli Arch Dam
- J Gries Gravity Dam
- K Naret Arch and Gravity Dams
- L Contra Arch Dam
- M Val d'Ambra Earth Dam
- N Mattmark Rockfill Dam
- O Punt dal Gall Arch Dam
- P Ova Spin Arch Dam

V Modern Trends in Foundation Treatment

- A Prospection and Testing Procedures
- B Foundation Preparation
- C Grouting and Drainage
- D Observation of the Behaviour of Dam Foundations

VI Technological Aspects

- A Concrete
- B Soils

VII Construction Techniques

- A Site Conditions
- B Concrete Dams
- C Earth Dams

VIII Flood Control

- A Construction Diversions
- B Spillways
- C Outlet Works

IX Dam Observation

- A Instruments and Methods
- B Interpretation of Observation Results

X Selected Bibliography

XI Acknowledgments

XII Résumé / Zusammenfassung