

CELEBRATING  
40 YEARS!

June 23, 1997

Volume 37

Number 25

# CURRENT CONTENTS®

## Physical, Chemical & Earth Sciences

### INCLUDING

Analytical Chemistry • Applied Physics • Astronomy • Astrophysics  
Atmospheric Sciences • Chemical Physics  
Chemistry • Condensed Matter • Crystallography  
Earth Sciences • Electrochemistry  
Inorganic & Nuclear Chemistry • Materials Science  
Mathematical Physics • Mathematics • Meteorology • Optics  
Organic Chemistry • Paleontology  
Particle & Nuclear Physics • Physical Chemistry  
Physics • Physics-Fluids & Plasmas • Polymer Science • Spectroscopy



VOLUME June 23, 1997

37

NUMBER

25

Not all journals covered by *Current Contents* are published weekly. Therefore, in any given issue your favorite journal may not be listed. However, it will be included as often as it is issued. For the complete List of Serials covered and the latest Publisher Guide see issue #1, January 6, 1997. For the latest Triannual Cumulative Index see issue #21, May 26, 1997.

## FEATURED IN THIS ISSUE OF CURRENT CONTENTS®/PHYSICAL, CHEMICAL AND EARTH SCIENCES

## FEATURES

- 3 The Scientist®  
7 Current Book Contents®

## DISCIPLINE GUIDE

- 9 Multidisciplinary  
14 Physics  
55 Applied Physics/Condensed Matter/  
Materials Science  
82 Physical Chemistry/Chemical Physics  
107 Chemistry  
127 Spectroscopy/Instrumentation/Analytical

## Sciences

- 139 Organic Chemistry/Polymer Science  
155 Inorganic & Nuclear Chemistry  
162 Earth Sciences  
183 Space Science  
193 Mathematics

## INDEXES

- 204 Title Word Index  
254 Author Index & Address Directory  
290 Publishers Address Directory

*Current Contents* processes all journal issues within two weeks of their receipt and makes every reasonable effort to insure their prompt delivery to ISI. Please note that the cover dates of some journals do not correspond to the actual publication dates.

If a journal is covered in more than one CC®, a letter code appears in parentheses next to the volume and issue number to identify which editions: (L)=Life Sciences; (P)=Physical, Chemical & Earth Sciences; (S)=Social & Behavioral Sciences; (A)=Agriculture, Biology & Environmental Sciences; (C)=Clinical Medicine; (E)=Engineering, Computing & Technology; (H)=Arts & Humanities.

## JOURNALS APPEARING IN THIS ISSUE:

- |     |  |     |                                       |
|-----|--|-----|---------------------------------------|
| 55  | ACOUST PHYS-ENGL TR,43 (3)                 | 17  | CHIN PHYS LETT,14 (3)                 |
| 193 | ACTA APPL MATH,47 (2)                      | 130 | CHROMATOGRAPHIA,44 (7-8)              |
| 82  | ACTA CRYSTALLOGR A,53 (MAY 1)P3            | 18  | CLASS QUANTUM GRAVITY,14 (5)          |
| 83  | ACTA CRYSTALLOGR D-BIOL CRYST,53 (MAY 1)P3 | 164 | CLAYS CLAY MINER,45 (1)               |
| 193 | ACTA MATH,178 (1)                          | 90  | COLLOID SURFACE A,122 (1-3)           |
| 14  | ACTA PHYS POL A,91 (5)                     | 195 | COMMUN ALGEBRA,25 (6)                 |
| 15  | ACTA PHYS POL B,28 (5)                     | 165 | COMPUT GEOSCI,23 (2)                  |
| 139 | ACTA POLYM,48 (5-6)                        | 19  | CONTEMP PHYS,38 (3)                   |
| 16  | AMER J PHYS,65 (6)                         | 19  | CONTRIB PLASM PHYS,37 (2-3)           |
| 127 | ANAL CHIM ACTA,342 (2-3)                   | 155 | COORD CHEM REV,158 (FEB)              |
| 128 | ANAL CHIM ACTA,343 (1-2)                   | 165 | DEEP-SEA RES PT I-OCEANOGR RES,44 (4) |
| 129 | ANAL LETT,30 (7)                           | 91  | DENKI KAGAKU,65 (1)                   |
| 107 | ANGEW CHEM INT ED,36 (7)                   | 92  | DENKI KAGAKU,65 (2)                   |
| 108 | ANGEW CHEM INT ED,36 (8)                   | 92  | DENKI KAGAKU,65 (3)                   |
| 17  | ANN PHYS N Y,256 (2)                       | 93  | DENKI KAGAKU,65 (4)                   |
| 56  | APPL PHYS A-MAT SCI PROCESS,64 (5)         | 94  | DENKI KAGAKU,65 (5)                   |
| 57  | APPL PHYS B-LASERS OPT,64 (5)              | 195 | DUKE MATH J,88 (1)                    |
| 57  | APPL PHYS LETT,70 (21)                     | 166 | EARTH SURF PROCESS LANDF,22 (5)       |
| 59  | APPL PHYS LETT,70 (22)                     | 94  | ECLOGAE GEOL HELV,90 (1)              |
| 84  | APPL SURF SCI,116 (MAY)                    | 139 | EUR POLYM J,33 (4)                    |
| 183 | ASTRON ASTROPHYS,321 (1)                   | 167 | EUROPEAN J MINERAL,9 (3)              |
| 184 | ASTRON ASTROPHYS,321 (2)                   | 168 | FIZ ZEMLI,1997 (2)                    |
| 186 | ASTROPHYS J,481 (1P1)                      | 96  | FLUID PHASE EQUILIBRIA,130 (1-2)      |
| 188 | ASTROPHYS J,481 (1P2)                      | 20  | GEN RELATIV GRAVIT,29 (5)             |
| 17  | AT DATA NUCL DATA TABLES,66 (1)            | 168 | GEODCHIM COSMOCHEM ACTA,61 (9)        |
| 162 | ATMOS ENVIRON,31 (13)                      | 169 | GEOL GEOFFIZ,38 (2)                   |
| 163 | BULL AMER METEOROL SOC,78 (4)              | 170 | GEOL J,32 (1)                         |
| 163 | BULL CAN PETROL GEOL,45 (1)                | 170 | GEOL RUNDSCH,86 (1)                   |
| 194 | BULL LOND MATH SOC,29 (MAY)P3              | 140 | HETEROCYCL COMMUN,3 (2)               |
| 130 | BUNSEKI KAGAKU,46 (5)                      | 97  | HIGH ENERGY CHEM-ENGL TR,31 (3)       |
| 194 | CAN J MATH,49 (2)                          | 131 | HRC-J HIGH RES CHROMATOGR,20 (5)      |
| 86  | CARBON,35 (5)                              | 21  | HYPERFINE INTERACTIONS,104 (1-4)      |
| 188 | CELEST MECH DYNAM ASTRON,65 (1-2)          | 23  | HYPERFINE INTERACTIONS,105 (1-4)      |
| 189 | CELEST MECH DYNAM ASTRON,65 (3)            | 25  | HYPERFINE INTERACTIONS,106 (1-4)      |
| 109 | CHEM COMMUN,1997 (10)                      | 61  | IEEE J QUANTUM ELECTRON,33 (6)        |
| 164 | CHEM GED,138 (1-2)                         | 196 | IMA J APPL MATH,58 (2)                |
| 110 | CHEM IND-LONDON,1997 (10)                  | 155 | INORG CHEM,36 (11)                    |
| 111 | CHEM LETT,1997 (5)                         | 98  | INT J CHEM KINET,29 (6)               |
| 87  | CHEM PHYS,218 (1-2)                        | 171 | INT J CLIMATOL,17 (6)                 |
| 88  | CHEM PHYS LETT,270 (3-4)                   | 171 | INT J COAL GEOL,33 (3)                |
| 89  | CHEM PHYS LETT,270 (5-6)                   | 27  | INT J MOD PHYS A,12 (14)              |
| 113 | CHIMIA,51 (4)                              |     |                                       |

CONTINUED