

SUBJECT INDEX

- A little retrospection, 107
- All-solid-state batteries, 33
- Aluminium
and manganese as anodes for dry and reserve batteries, 155
- Anodes
aluminium and manganese as, for dry and reserve batteries, 155
- Batteries
all-solid-state, 33
application of nonaqueous solvents to, 135
a view of the future, 127
dry and reserve, aluminium and manganese as anodes for, 155
lead/acid
application of diffraction techniques in studies of, 19
high power, 43
in Japan, future outlook for, 195
new ideas on, 47
a personal view, 1
lithium
the next decade, 87
progress in and future development of ambient temperature, 129
nickel-iron, a new generation of, 77
secondary, to answer the urgent needs for, 167
sodium/sulphur, 143
- Cell(s)
lithium, on the electrochemistry of the nonaqueous, 93
nickel/zinc test, further work on additives in the zinc plates of, 7
- Chemical power sources
expected development of, 69
- Diffraction techniques
in studies of lead/acid battery performance, application of, 19
- Electrochemical power sources
a brief review of progress in, 111
position and development of, 185
progress and future efforts in solving major problems of, 163
- Electrochemical reactions
in power sources and sinks: personal reflections on progress and future prospects, 171
- Electrochemical Storage Systems
Program Summary, 203
- Electrochemistry
of the nonaqueous lithium cell, 93
- Iron
nickel-, batteries, a new generation of, 77
- Lead/acid
batteries
high power, 43
in Japan, future outlook for, 195
new ideas on, 47
a personal view, 1
battery performance, application of diffraction techniques in studies of, 19
still top of the galvanic traction pile in 1983, 119
- Lithium
batteries
the next decade, 87
progress in and future development of ambient temperature, 129
cell, on the electrochemistry of the nonaqueous, 93
- Manganese
as anodes for dry and reserve batteries, aluminium and, 155
- Nickel-iron
batteries, a new generation of, 77
- Nickel/zinc
test cells, further work on additives in the zinc plates of, 7
- Nonaqueous lithium cell
on the electrochemistry of the, 93
- Nonaqueous solvents
application of, to batteries, 135

Photovoltaic applications

solar grade silicon *vs.* electronic grade
silicon for, 115

Power for the future, 63**Power sources development**

how to program success in, 11

Secondary batteries

to answer the urgent needs for, 167

Silicon

solar grade *vs.* electronic grade, for
photovoltaic applications, 115

Sodium/sulphur

battery, 143

Status report, 91**Sulphur**

sodium/sulphur battery, 143

Technology development

and the *Journal of Power Sources*, 3

Zinc plates

of nickel/zinc test cells, further work
on additives in, 7

Zinc test cells

nickel/, further work on additives in
the zinc plates of, 7