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**BIBLIOGRAPHIC
REVIEW
OF SELECTED
SUBJECTS**

REIHE:

KERNBATTERIEN

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ATOMKERNENERGIE-DOKUMENTATION BEIM GMELIN-INSTITUT
(AED)

AED-C-15-02

Reihe C

AUSGEWÄHLTES SCHRIFTTUM NACH SACHGEBIETEN

Heft 15-02

K E R N B A T T E R I E N

Bibliographische Zusammenstellung

Bearbeiter:

**Battelle-Institut e.V.
Frankfurt (Main), Wiesbadener Strasse**

Ausgabedatum: September 1963

**Zentralstelle für Atomkernenergie-Dokumentation beim Gmelin-
Institut für anorganische Chemie und Grenzgebiete in der Max-
Planck-Gesellschaft zur Förderung der Wissenschaften e.V.,
Frankfurt (Main), Varrentrappstrasse 40-42, Carl Bosch-Haus.
Telefon: 77 09 81 Fernschreiber: 04 12526**

Titel:

Kernbatterien.

(Bibliographische Zusammenstellung: 530 Titel.)

Battelle-Institut e.V., Frankfurt (Main).

AED-C-15-02, Sept.1963, 125 p.

Vorwort zur Reihe C

Den Dokumentations- und Informationsdiensten für den Bereich der Atomenergie im weitesten Sinne des Wortes ist seitens des Bundesministeriums für Atomkernenergie und Wasserwirtschaft die Aufgabe gestellt worden^{1,2)}, Interessenten in Wissenschaft und Technik mit den im internationalen Schrifttum niedergelegten Erfahrungen und Erkenntnissen zu versorgen, insbesondere soweit es sich um Material handelt, das von ausländischen Dokumentationsdiensten nicht oder zeitlich verzögert zur Verfügung steht. Zur Erreichung dieses Zieles sind verschiedene Wege beschritten worden, jeder einzelne darauf ausgerichtet, für einen speziellen Sachbereich oder aber auch für eine bestimmte schwer zugängliche Publikationsform Informationen bereitzustellen. Dieser Aufgabe dienen zwei Veröffentlichungsreihen des als Zentralstelle für Atomdokumentation der Bundesrepublik Deutschland fungierenden Referates Atomkernenergie-Dokumentation:

Reihe A: BERICHTE ZUR ATOMKERNENERGIE

Bibliographische Zusammenstellung
mit Sachregister

Reihe B: INFORMATIONEN ZUR ATOMKERNENERGIE

Bibliographische Zusammenstellung
mit Sachregister
 Patentschriften
 Dissertationen
 Schriften wissenschaftlicher
 und technischer Akademien
 Tagungsschriften (Conference Papers)
 Bücher
 Industrie- bzw. Werkschriften
 Ausgewählte technische Zeitschriften-
 literatur.

Ab 1962 werden die Reihen A und B in einer gemeinsamen Reihe
AB veröffentlicht:

Reihe AB: ATOMIC ENERGY INFORMATION SERVICE
 INDEXED BIBLIOGRAPHY

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- 1) E. Pietsch, Die Dokumentation im Bereich der Atomkernenergie, Atomwirtschaft 3 (1958) 259-62, 351-3.
 - 2) E. Pietsch, Atomkernenergie-Dokumentation in der Bundesrepublik Deutschland, Atomwirtschaft 6 (1961) 95-100.

Das Ziel der im Aufbau befindlichen Zentralstelle für die Atomdokumentation in der Bundesrepublik besteht darin, alles für Forschung und Technik interessante und für die Kenntnis erforderliche Material durch die Einschaltung von Institutionen im Bundesgebiet zu mobilisieren, die in der Lage sind, hierfür einen sachlich zuverlässigen und regelmässigen Beitrag zu liefern. Mit einer grösseren Reihe derartiger Institutionen sind diesbezügliche Verhandlungen im Gange. Mit einer Anzahl konnte die Zusammenarbeit bereits begonnen werden. Die der Zentralstelle bereitgestellten Materialien werden in zwangloser Folge, aber zeitlich möglichst rasch, herausgegeben als

Reihe C: BIBLIOGRAPHIC REVIEW OF
SELECTED SUBJECTS.

Die sachliche Verantwortung für den Inhalt der einzelnen Hefte liegt dabei jeweils bei der zuliefernden Dokumentationsstelle. Der Zentralstelle selbst fällt dabei die Schaffung eines möglichst lückenlosen Netzes von fachlichen Institutionen zur Bereitstellung von Informationen sowie die sachliche Koordinierung des bereitgestellten Materials und dessen rationelle Bearbeitung zu. Die Erstellung der Hefte der Reihe C erfolgt mit Hilfe des IBM-Lochkartenverfahrens unter Einsatz der lochkartengesteuerten elektrischen Schreibmaschine IBM 024-866³⁾.

Im übrigen werden die Hefte der Reihe C die Besonderheiten der einzelnen mitarbeitenden Institutionen deutlich erkennen lassen, worin kein Nachteil erblickt werden soll. Angestrebt wird ein Fruchtbarmachen von Erkenntnissen, die in den verschiedenen Zentren von Forschung und Technik dieser Bereiche in der Bundesrepublik vorliegen und die allen hieran Interessierten nutzbar gemacht werden sollen.

Frankfurt (Main), Januar 1963

Zentralstelle
für Atomkernenergie-Dokumentation
beim Gmelin-Institut

3) K. Schneider, IBM-024-866 - Die lochkartengesteuerte elektrische Schreibmaschine als Hilfsmittel für Dokumentationsarbeiten, IBM-Nachrichten 149 (1961) 1340-4.

VORBEMERKUNG ZU HEFT C-15-01

Die vorliegende Titelsammlung ist aus einer Literaturrecherche des Battelle-Instituts entstanden. Das Battelle-Institut hat im Jahre 1959 etwa beginnend die bei ihm eingegangenen Zeitschriften auf Arbeiten über "Direkte Stromerzeugung aus Kernenergie" überwacht.

Während ursprünglich sämtliche Veröffentlichungen erfasst wurden, sind für die vorliegende Zusammenstellung alle diejenigen Titel gestrichen worden, die entweder nur Hinweise enthalten, als populär-wissenschaftliche Publikationen aufzufassen sind oder Reklamezwecke dienen. Auch die Veröffentlichungen aus Informationsblättern sind von der Aufnahme in diese Sammlung ausgeschlossen worden,

Die Berichterstattung für diesen Bereich wird fortgesetzt. Für Hinweise, die zur Ergänzung bzw. Verbesserung dienen können, ist das Referat ZAED dankbar.

Frankfurt/Main, im Oktober 1961

Battelle-Institut e.V.

VORBEMERKUNG ZU HEFT C-15-02

Die vorliegende Titelsammlung schließt an die in Heft C-15-01 vom November 1961 veröffentlichte an. Die Titel wurden nach denselben Prinzipien ausgewählt.

Zur Vervollständigung der gesamten Literaturrecherche wurden auch einzelne vor 1961 erschienene Titel aufgenommen, die erst später von uns erfaßt worden waren.

Die Berichtigung für diesen Bereich wird fortgesetzt. Für Hinweise, die der Ergänzung bzw. Verbesserung dienen können, ist das Referat ZAED dankbar.

Frankfurt/Main, im September 1963

Erika Kalix
(Dipl.-Phys.)

Battelle-Institut e.V.

I n h a l t s v e r z e i c h n i s

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A B K U E R Z U N G E N

Add.	addendum
App.	appendix
cit.	citation
col.	column
comp.	compiler, compiled by
Decl.	declassified (Geheimhaltung aufgehoben)
Del.	deletions (veroeffentlicht mit Einschraenkungen)
diagr.	diagram(s)
Div.	division
Ed.	edition
ed., eds.	editor, editors
fig.	figure(s)
ill.	illustrated
mc	microcard
nd	no date
Pt.	part
ref.	reference(s)
Rev.	revision
s.a.	see also, siehe auch
Ser.	series
Suppl.	supplement
tab.	table(s)
TR	in Report-No.: Technical Report
tr	in Report-No.: translation
Uncl.	unclassified (keine Geheimhaltung verfuegt)
Vol.	volume

Die fuer Report-No. gebrauchlichen Abkuerzungen koennen an Hand von TID-85(2nd Rev.) und TID-85(2nd Rev., Suppl.) entschluesselt werden:

Technical Information Service Extension, AEC.
Stratton, F.E. (comp.)
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SACHVERHALTE

Die Zahlen geben die Nummern der Titel an.

Allgemeines, Uebersichten, vergleichende Zusammenstellungen

0064	0267	0269	0292	0420	0421	0441	0465
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Anlauf-Stromerzeuger

0021	0023	0032	0039	0054	0056	0057	0058
0060	0078	0079	0080	0082	0083	0084	0085
0086	0087	0090	0091	0095	0100	0101	0102
0103	0104	0110	0112	0113	0120	0129	0130
0131	0132	0133	0136	0140	0141	0144	0146
0150	0151	0171	0173	0175	0179	0180	0184
0185	0186	0197	0215	0216	0218	0219	0220
0223	0224	0231	0237	0238	0243	0254	0256
0261	0265	0268	0271	0276	0278	0279	0284
0286	0298	0304	0319	0324	0332	0333	0334
0335	0336	0337	0340	0341	0342	0343	0344
0347	0348	0349	0354	0357	0358	0360	0361
0362	0364	0365	0366	0368	0369	0373	0377
0381	0383	0388	0390	0391	0394	0406	0412
0415	0417	0419	0423	0425	0433	0442	0445
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0491	0498	0504	0506	0507	0510	0511	0515
0519	0521	0522					

Elektrovolta-Stromerzeuger

0114	0115	0116	0139	0144	0176	0282	0285
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Kontaktpotential-Stromerzeuger

0001

MHD-Stromerzeuger

0056	0078	0118	0123	0124	0144	0152	0154
0161	0165	0199	0200	0201	0202	0203	0204
0205	0206	0207	0208	0209	0210	0217	0241
0234	0235	0242	0252	0257	0259	0269	0278
0282	0286	0290	0291	0295	0298	0314	0321
0322	0327	0351	0356	0382	0405	0414	0425
0426	0429	0430	0442	0444	0449	0451	0452
0464	0486	0489	0499	0515	0517	0518	0519

Stromerzeuger nach dem Aufladungsprinzip

0109	0274	0283	0292	0483
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Stromerzeuger mit Photoelementen

0010	0022	0025	0027	0031	0051	0058	0059
0061	0069	0070	0073	0074	0092	0108	0117
0119	0122	0128	0144	0157	0158	0161	0167
0174	0187	0218	0240	0244	0251	0262	0263
0266	0270	0273	0282	0286	0287	0288	0299
0305	0310	0311	0312	0323	0329	0331	0350
0359	0374	0380	0387	0396	0399	0403	0410
0432	0434	0436	0439	0445	0461	0462	0470
0471	0477	0478	0485	0500	0502	0503	0509
0513	0519	0520	0524	0525			

Thermoelektrische Stromerzeuger

0002	0003	0004	0005	0006	0007	0008	0009
0011	0012	0013	0014	0015	0016	0017	0018
0019	0020	0024	0026	0028	0029	0030	0033
0034	0035	0036	0037	0040	0041	0042	0043
0044	0045	0047	0048	0049	0050	0052	0053
0058	0062	0063	0081	0088	0089	0093	0094
0096	0097	0098	0105	0106	0107	0111	0121
0125	0126	0127	0136	0137	0138	0142	0143
0144	0145	0147	0148	0149	0156	0159	0160
0161	0162	0166	0168	0169	0170	0171	0172
0173	0177	0178	0181	0182	0183	0188	0189
0190	0191	0192	0193	0194	0195	0196	0198
0211	0212	0213	0214	0218	0225	0227	0228
0229	0230	0232	0233	0236	0241	0245	0246
0247	0248	0249	0250	0252	0253	0254	0255
0258	0260	0262	0264	0269	0272	0277	0280
0281	0284	0286	0289	0292	0293	0294	0296
0298	0300	0301	0302	0303	0304	0306	03
0308	0309	0313	0315	0316	0317	0318	03
0320	0325	0326	0328	0330	0332	0338	0344
0345	0346	0347	0350	0352	0353	0363	0367
0369	0371	0372	0375	0376	0378	0379	0384
0386	0389	0393	0395	0397	0398	0400	0401
0402	0404	0405	0407	0408	0409	0411	0413
0416	0417	0418	0423	0424	0425	0427	0428
0435	0437	0438	0440	0442	0443	0445	0446
0447	0448	0450	0458	0463	0466	0467	0468
0469	0472	0473	0474	0475	0476	0479	0480
0481	0482	0487	0490	0492	0493	0494	0495
0496	0497	0501	0508	0510	0511	0512	0514
0515	0516	0519	0520	0527	0528	0529	

Sonstiges (Stromerzeugung nach anderen Prinzipien)

0134	0135	0153	0155	0163	0164	0172	0239
0252	0269	0275	0292	0296	0297	0339	0355
0370	0395	0422	0431	0458	0474	0487	0526

Dokumentation der Atomkernenergie

Reihe C

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(Oktober 1963)