a modified version for OA

View from the front line: What do librarians want?

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National Institute for Materials Science (NIMS) , Tsukuba, Japan

The 8th SPARC Japan Seminar 2009, February 2, 2010 at National Institute of Informatics

I'll cover

- **Library : The current situation**
  - **Function of Library**
  - **Flow of Use of Collection / Channels of Library Resources**
  - **Navigation System**
- **Library Management : The current issues**
  - **Serious Problems**
  - **Consortium for "Big Deal "?**
  - **Budget and Contract**
  - **Changes of research circumstances**
  - **Evidence to continue / discontinue subscription**
- **Journal analysis -A cutting-edge case**
- **Additional issue 1－Article based subscription**
- **Additional issue 2 －Article rental service**
- **Conclusion**
- **Proposal to Japanese publishers of scholarly societies**

Library: The current situation

- Function of Library（purchase, order, contract, delivery, acceptance inspection etc.）
  1. Foreign Journals
  2. Domestic Journals
  3. Foreign Books
  4. Japanese Books
  5. Database
  6. Xerox copy
  7. Inventory and Bookbinding etc.
  8. Services, Control System, Circulation, Access Management etc.

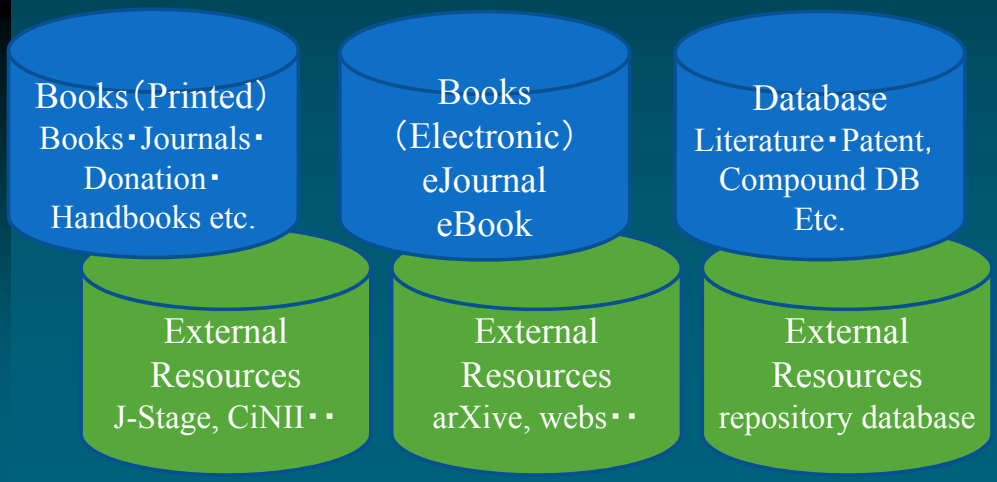
Library: The current situation

- Function of Library（purchase, order, contract, delivery, acceptance inspection etc.）
  1. Foreign Journals → Sales agents
  2. Domestic Journals →Scholarly societies, Publishers
  3. Foreign Books →Amazon etc.
  4. Japanese Books →Kinokuniya WEB etc.
  5. Database →Sales agents
  6. Xerox copy
  7. Inventory and Bookbinding etc.
  8. Services, Control System, Circulation, Access Management etc.

Library: The current situation

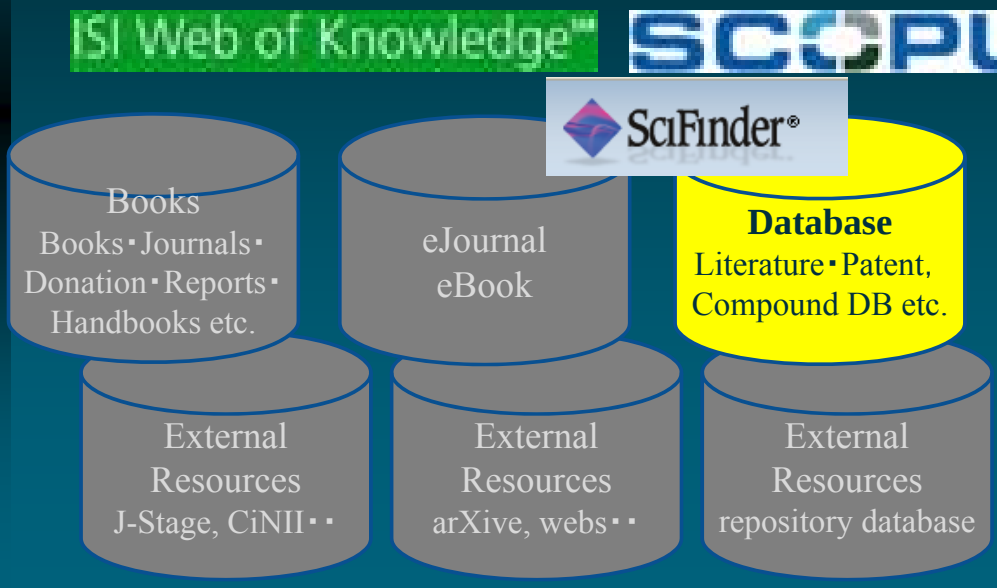
- Flow of Use of Collection

①Your Desktop→②Print Journal at library →③Xerox Copy



Library: The current situation

- Channels of Library Resources



Library: The current situation

- Navigation System

Library Management : The current issues

- Serious Problems

(1) -10%

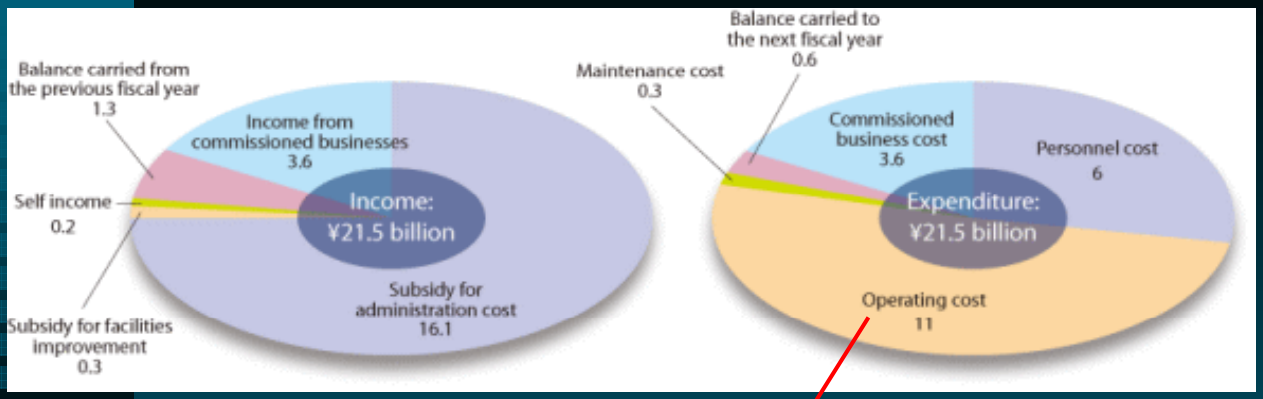
- Subscription fees will never go down
- New journal starts when a research field is integrated/ enhanced/ invested
- Similar journals never being integrated

(2) Human Resources

- From library taxonomy to digital curation

(3) Investment in infrastructure

- Paper-based operation→Integrated digital information navigation system



Library
0.14%

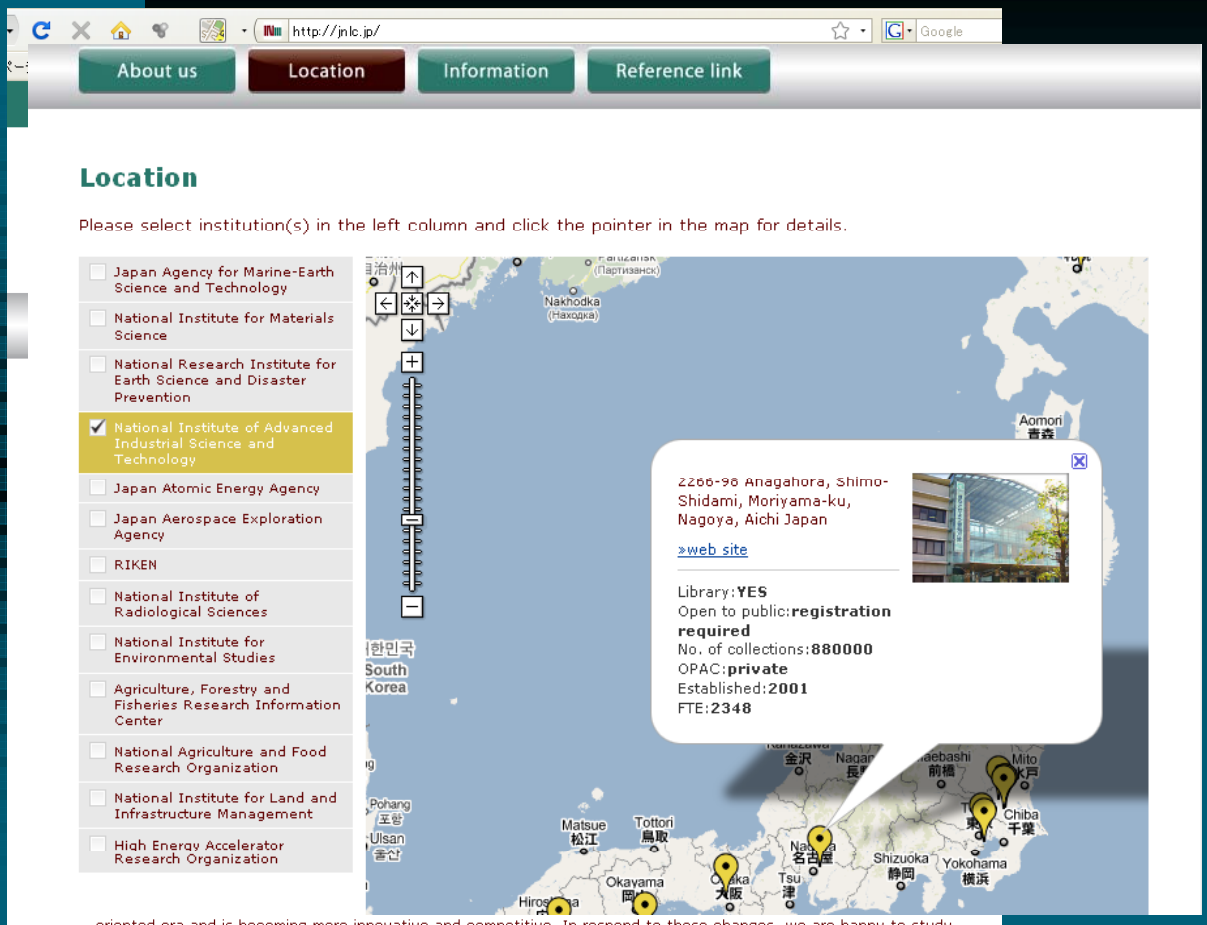
H21→H22 10%Budget cut
- Cut funding for low-priority programs
- Streamline operation
- Reduction of labor cost
- However, research fields might be created or reintegrated according to subsidization policies

Library Management : The current issues

- Consortium for Big Deal ?
  - University
    - National University (JANUL)
    - Private University (PULC)
    - Technical College
  - Industry-University cooperation
    - Medical company＋Academic institution
  - Research Institutes
    - **Independent administrative institutes(JNLC)**

Consortia-based purchasing of site licenses of eJournals
○Discount（sales cap etc）
○Access to non-subscribed journals
○“Reduce information gap among academic institutions” (JANUL)

×Cover for work of sales agents
×Agreement of membership institution is necessary
×Negotiation in English, Contract through agency



Library Management : The current issues

- Budget and Contract

	Budget	Purchase of Journals	External
MAR	Annual budget（Accounting）		Consortium committee
APR			
MAY			
JUN	Evaluation of Independent Corporation		Consortium committee
JUL			
AUG		Access analysis, Opinion research	
SEP	CA Policy	Selection of journals > Library committee > Researchers committee	Consortium committee
OCT	Outline of Budget Allocation of the next year	In-house notice > Decision >Specifications >Public notice ／Bulletin	
NOV	In-house notice of budget Allocation of the next year	Bidding	Financial audit
DEC	（Budget Hearing）	Contract	Consortium committee
JAN	Application	Renewal	
FEB	Settlement		Consortium committee

Library Management : The current issues

- Changes of research circumstances

NIMS（Researchers Committee）

1. Policy

   2007 Cessation of Printed Journals→Conversion to Online Journals

   2008 Stop subscribing non-online journals and domestic journals

   2009 Bargaining over subscription fees and spending cuts for other expenditure (e.g. bookbinding, maintenance costs)

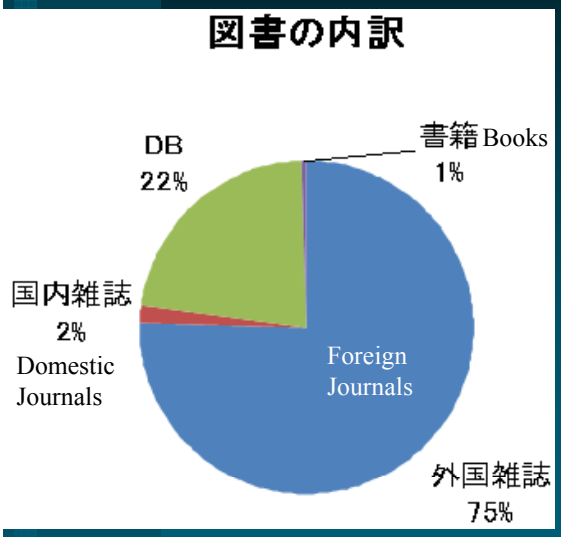
2. 2010 Abstract

   - Foreign Journals 3.4% increase over the previous year (646)
   - Domestic Journals 3.6% increase over the previous year(40)
   - Database 6.8% increase over the previous year (9DB)

These figures must be decreased

Library Management : The current issues

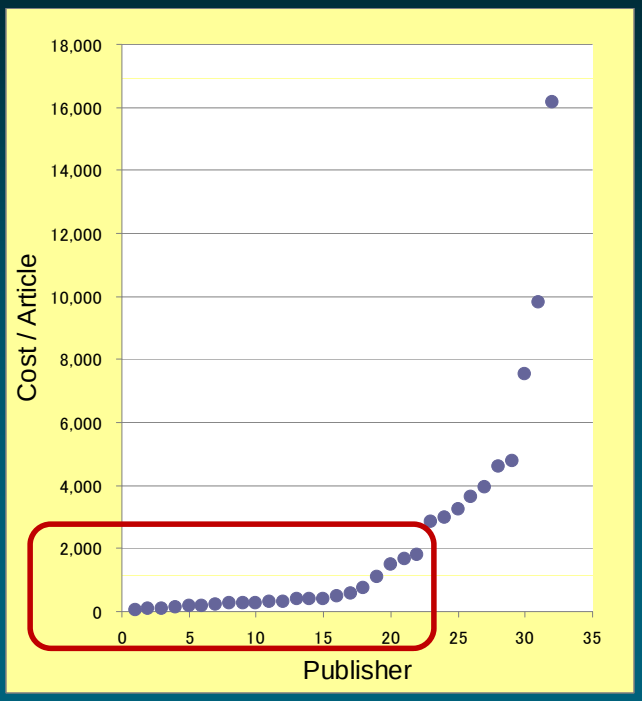
Breakdown Booklist



Library Management : The current issues

- Evidence to continue subscription

Publisher	Cost / Download 2008	Cost / Download 2009	Cost / Month 2009
S05	38	39	31,103
S01	120	76	421,335
J04		103	25,000
J01		115	15,280
S03	177	154	530,833
J03		169	75,000
S02	265	199	596,667
C08	307	255	530,833
S11	427	264	310,000
C18		275	16,575
C07	265	304	4,432,948
C28		306	50,431
S04	216	374	40,000
S21		381	381,617
S24		387	47,000
C14	521	468	1,313,849
C12	756	558	664,167
C20		732	60,000
J02		1,096	4,200



Library Management : The current issues

- Evidence to discontinue subscription

Publisher	Cost / Download 2008	Cost / Download 2009	Cost / Month 2009
S05	38	39	31,103
S01	120	76	421,335
J04		103	25,000
J01		115	15,280
S03	177	154	530,833
J03		169	75,000
S02	265	199	596,667
C08	307	255	530,833
S11	427	264	310,000
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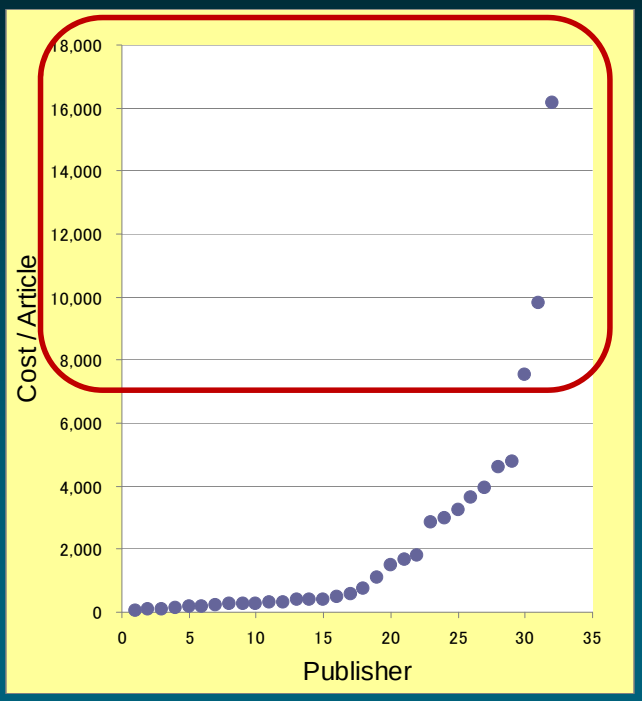

図書:ジャーナル購読図書の2010年見直し具体案(10/19まで)

登録者	谷藤 幹子	重要度	標準	登録日	09/10/09

以下の変更計画についての読者ご意見を募集します。
締め切り:10月19日(月)正午
送信先:科学情報室<nims_library@nims.go.jp>

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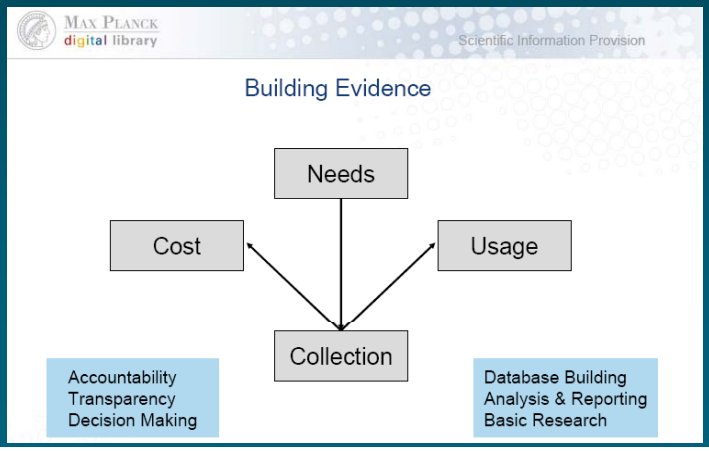
1. 趣旨:極端に利用頻度の少ない図書資源(ジャーナル・データベース)の購入を見直し,限られた予算を極力に効率的に運用する.

2. 現状:10/9付別掲の「図書セミナー番外編」にて紹介しているNIMS図書資料状況(世界状況・国策・価格上昇への対応等)を踏まえ,
(1)来年は現状維持を原案とする
(2)極端に利用数の低い図書購入の見直しや,購入方法の変更による利便性向上を検討する.

3. 極端に利用頻度の少ない図書の中で,冊子購入中止誌
2009冊子価格 ￥60,000
→ 2010オンライン版価格 ￥200,000(3.3倍)
(2)
(I
h
2009冊子価格 ￥88,000
→ 2010オンライン版価格 ￥250,000(2.8倍)
(3)
(I
h
2009冊子価格 ￥261,636
→ 2010オンライン版価格 ￥300,000
(4)
(I
h
2009冊子価格 ￥526,000

Journal Analysis -A Cutting-edge case

- Max Planck Digital Library
  - Building collection of journals (Licensing)
  - Building service system (Access & Retrieval)
  - Building evidence (Evidence)



"Building Evidence in MPG Information Provision – Back-Office Services and Data Analyses", by Margit Palzenberger, Max Planck Digital Library, Jan 2010 @ Goethe-Institut Japan: Study Tour German Libraries.

MAX PLANCK digital library — Scientific Information Provision

Shaping Collection - Assessment of Needs

78 Institutes
71 Libraries
~ 15.000 Scientists

entity	subtypes and item numbers
Licenses	> 150 current, 160 retired
Products	> 300 subscribed, > 100 proposal to trial
Resources	> 10.000 current acadamic journals > 4.000 academic journals with embargo > 10.000 book titles > 10.000 other item titles > 100 reference and factual databases
Interfaces	~ 150 platforms

domain	organisation
Physics Chemistry Biology Geosciences Psychology Anthropology Linguistics Sociology Law Art History	30-1000 scientists 0-20 librarians 7 library systems 71 catalogues 3 countries ...

"Building Evidence in MPG Information Provision –Back-Office Services and Data Analyses",
by Margit Palzenberger, Max Planck Digital Library

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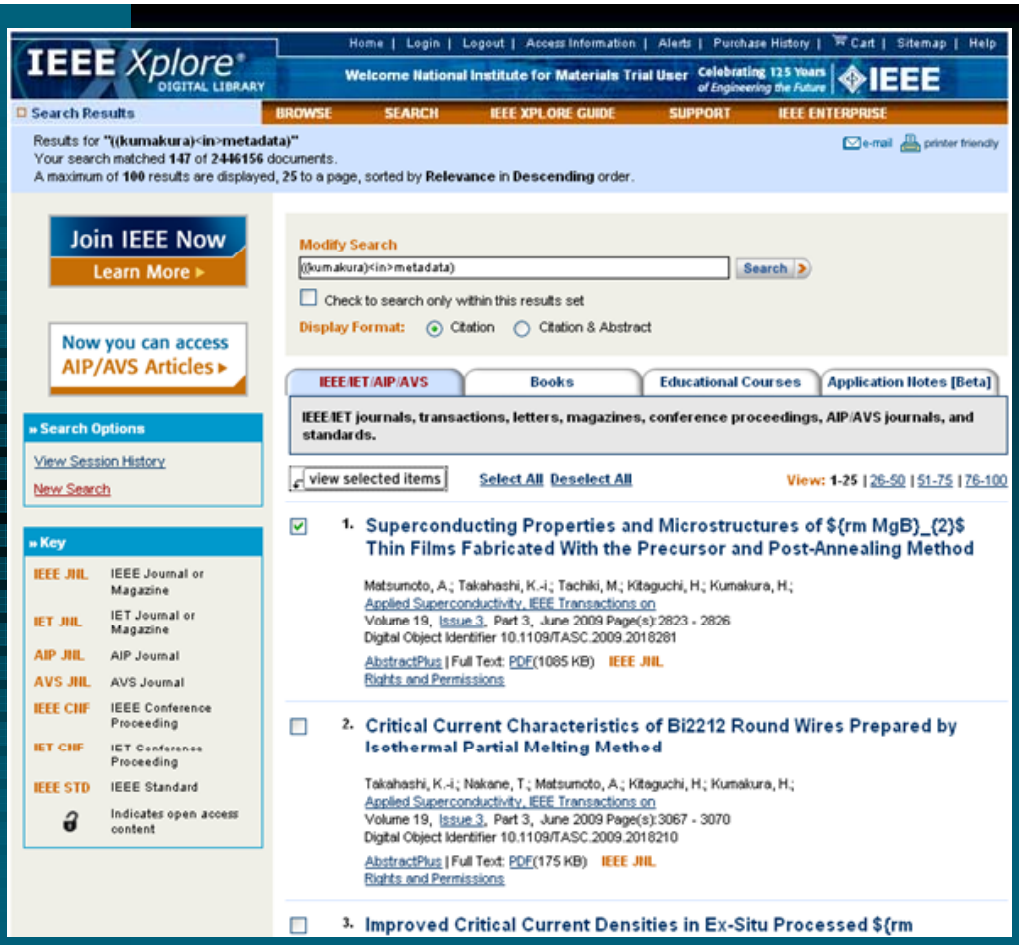
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Takahashi, K.-i.; Nakane, T.; Matsumoto, A.; Kitaguchi, H.; Kumakura, H.;
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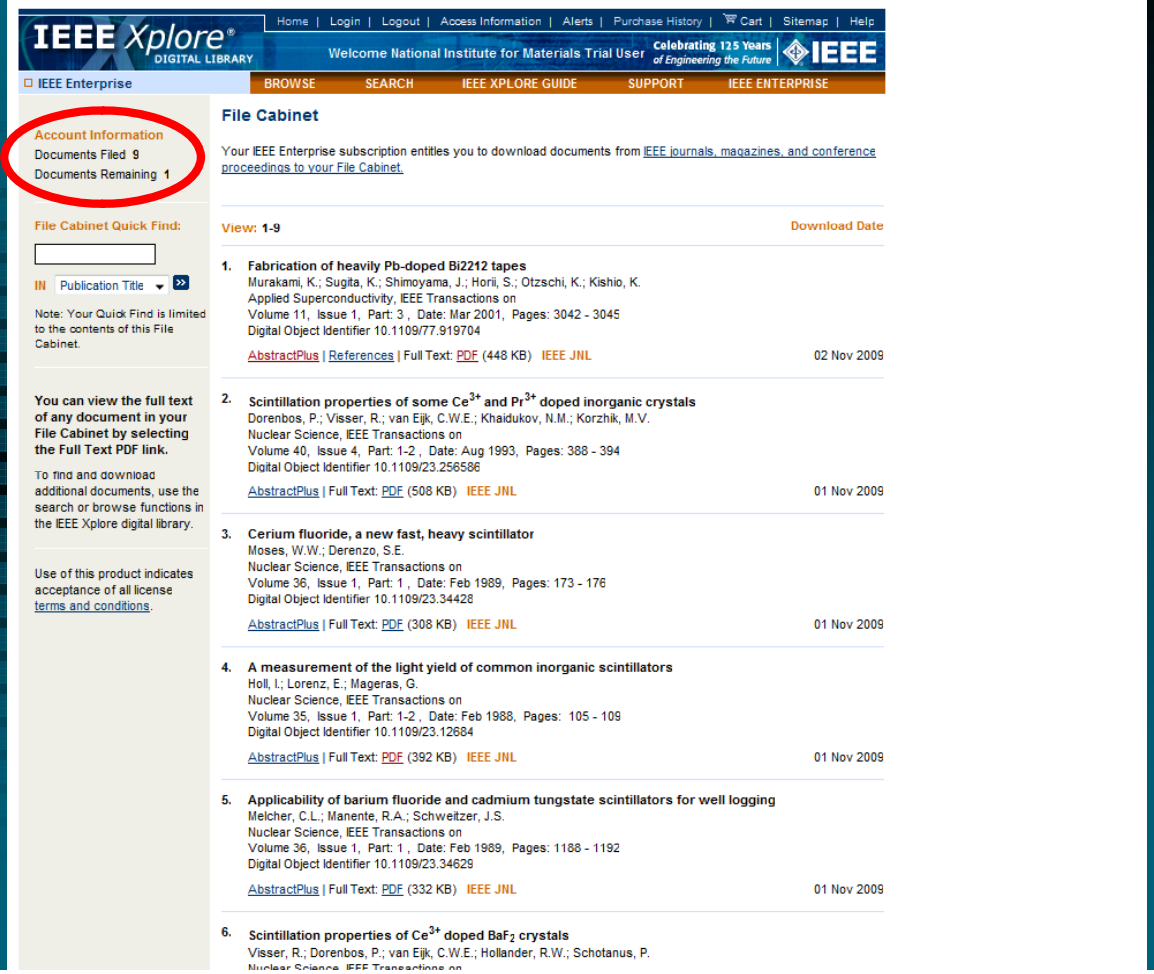
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1. Fabrication of heavily Pb-doped Bi2212 tapes
Murakami, K.; Sugita, K.; Shimoyama, J.; Horii, S.; Otzschi, K.; Kishio, K.
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Volume 11, Issue 1, Part: 3 , Date: Mar 2001, Pages: 3042 - 3045
Digital Object Identifier 10.1109/77.919704
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2. Scintillation properties of some Ce3+ and Pr3+ doped inorganic crystals
Dorenbos, P.; Visser, R.; van Eijk, C.W.E.; Khaidukov, N.M.; Korzhik, M.V.
Nuclear Science, IEEE Transactions on
Volume 40, Issue 4, Part: 1-2 , Date: Aug 1993, Pages: 388 - 394
Digital Object Identifier 10.1109/23.256586
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3. Cerium fluoride, a new fast, heavy scintillator
Moses, W.W.; Derenzo, S.E.
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Volume 36, Issue 1, Part: 1 , Date: Feb 1989, Pages: 173 - 176
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Holl, I.; Lorenz, E.; Mageras, G.
Nuclear Science, IEEE Transactions on
Volume 35, Issue 1, Part: 1-2 , Date: Feb 1988, Pages: 105 - 109
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Nuclear Science, IEEE Transactions on
Volume 36, Issue 1, Part: 1 , Date: Feb 1989, Pages: 1188 - 1192
Digital Object Identifier 10.1109/23.34629
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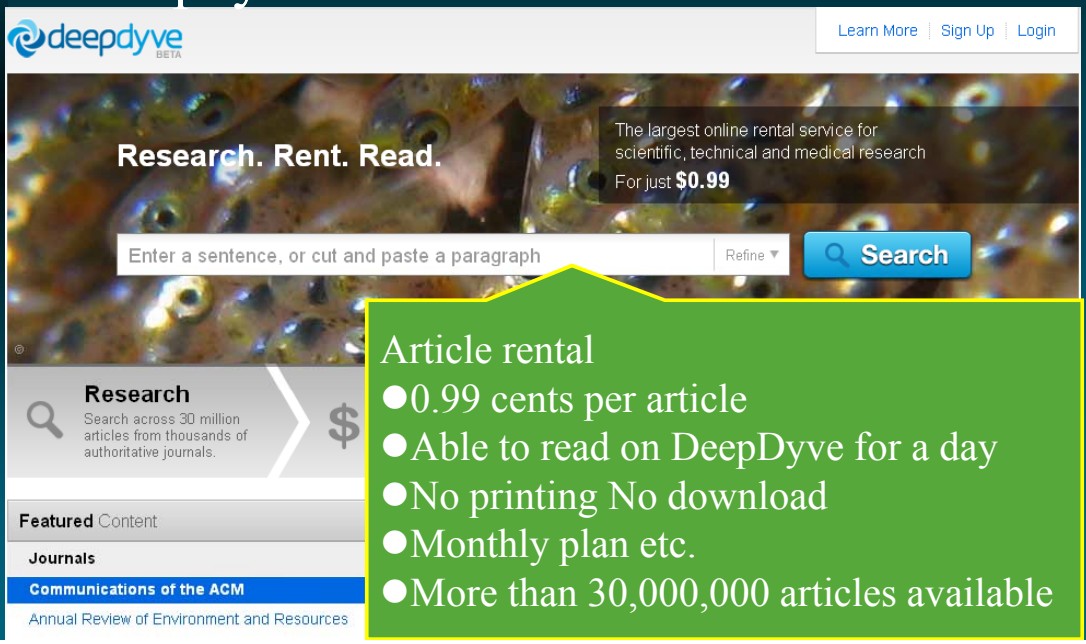

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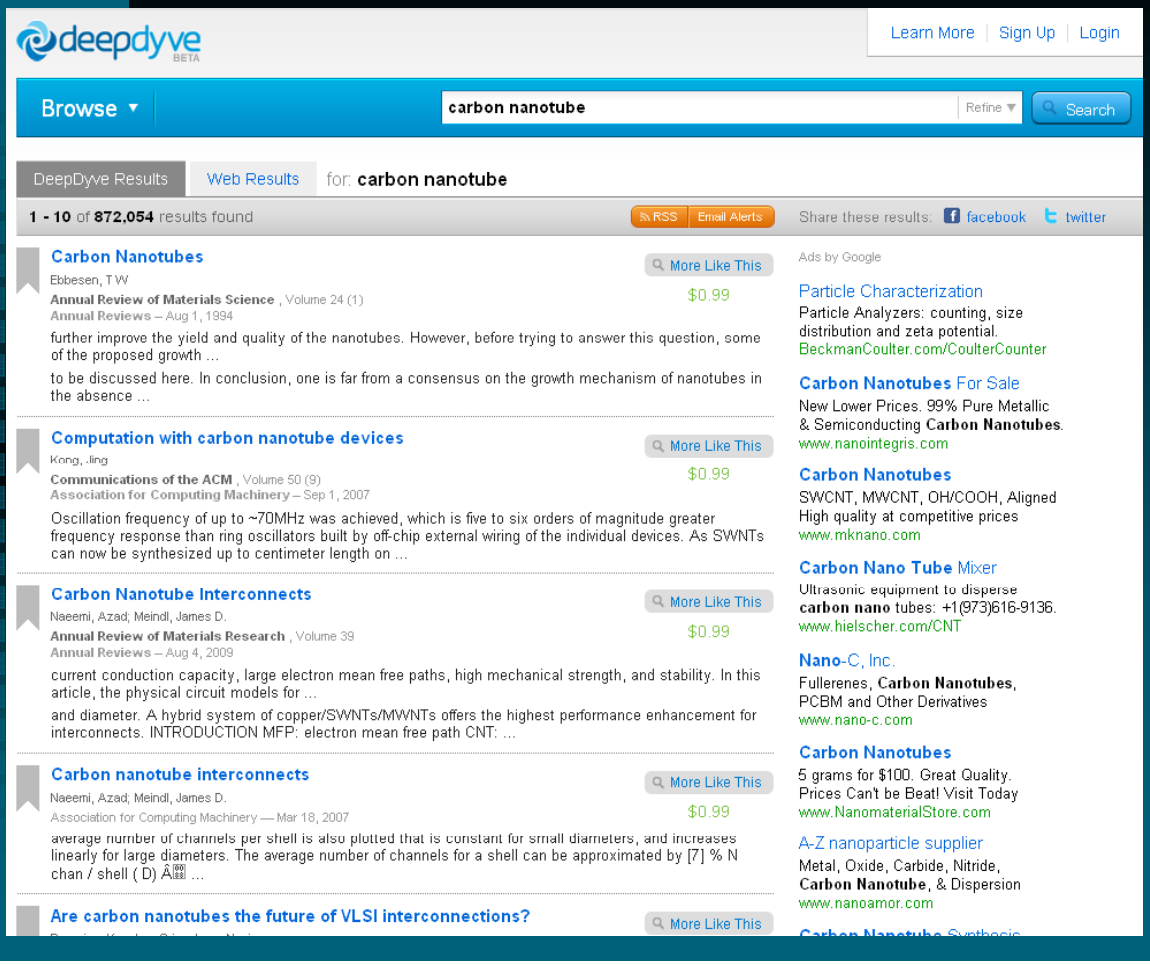

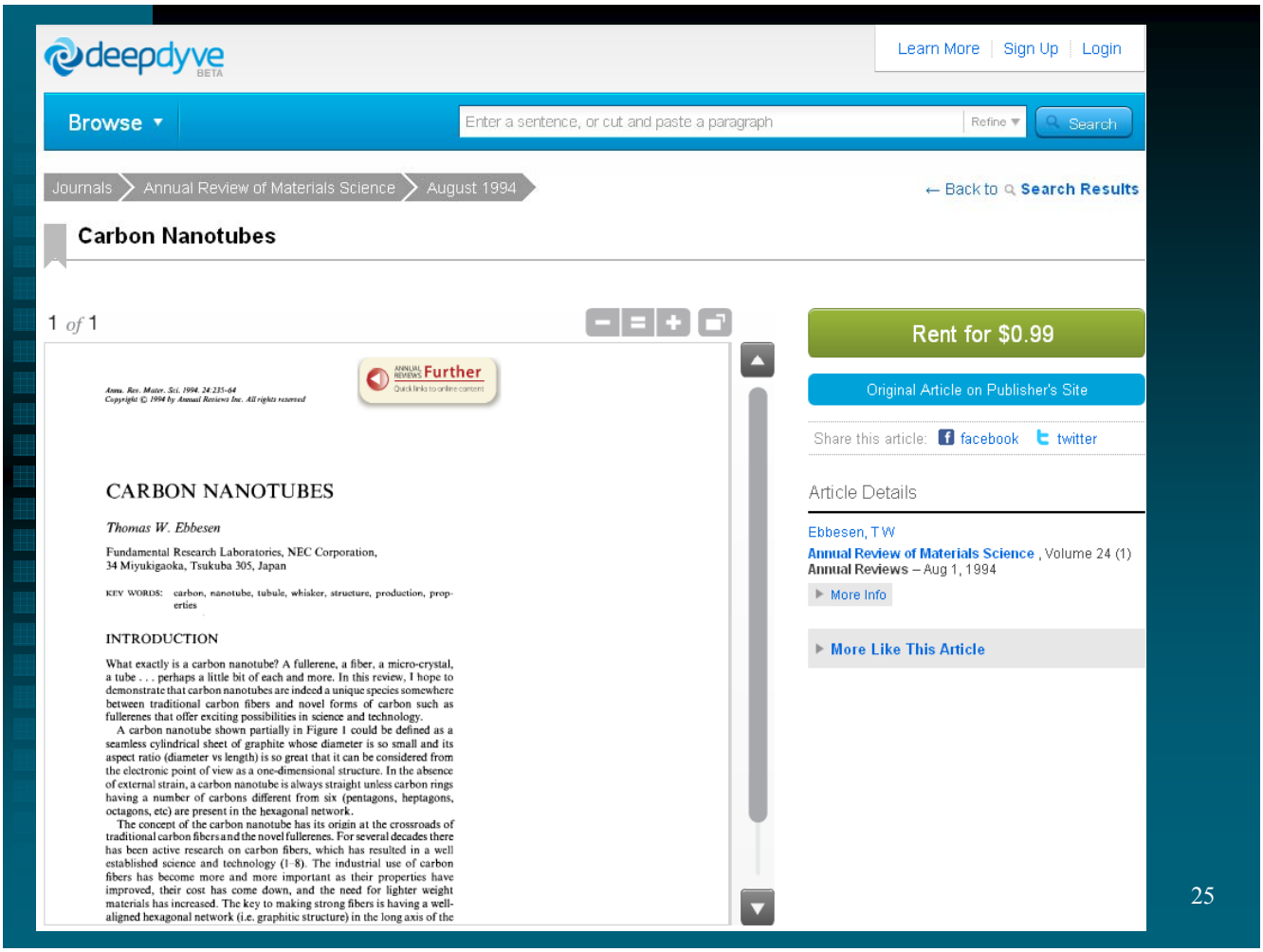
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CARBON NANOTUBES
Thomas W. Ebbesen
Fundamental Research Laboratories, NEC Corporation,
34 Miyukigaoka, Tsukuba 305, Japan
KEY WORDS: carbon, nanotube, tubule, whisker, structure, production, properties
INTRODUCTION
What exactly is a carbon nanotube? A fullerene, a fiber, a micro-crystal, a tube . . . perhaps a little bit of each and more. In this review, I hope to demonstrate that carbon nanotubes are indeed a unique species somewhere between traditional carbon fibers and novel forms of carbon such as fullerenes that offer exciting possibilities in science and technology.
A carbon nanotube shown partially in Figure 1 could be defined as a seamless cylindrical sheet of graphite whose diameter is so small and its aspect ratio (diameter vs length) is so great that it can be considered from the electronic point of view as a one-dimensional structure. In the absence of external strain, a carbon nanotube is always straight unless carbon rings having a number of carbons different from six (pentagons, heptagons, octagons, etc) are present in the hexagonal network.
The concept of the carbon nanotube has its origin at the crossroads of traditional carbon fibers and the novel fullerenes. For several decades there has been active research on carbon fibers, which has resulted in a well established science and technology (1–8). The industrial use of carbon fibers has become more and more important as their properties have improved, their cost has come down, and the need for lighter weight materials has increased. The key to making strong fibers is having a well-aligned hexagonal network (i.e. graphitic structure) in the long axis of the
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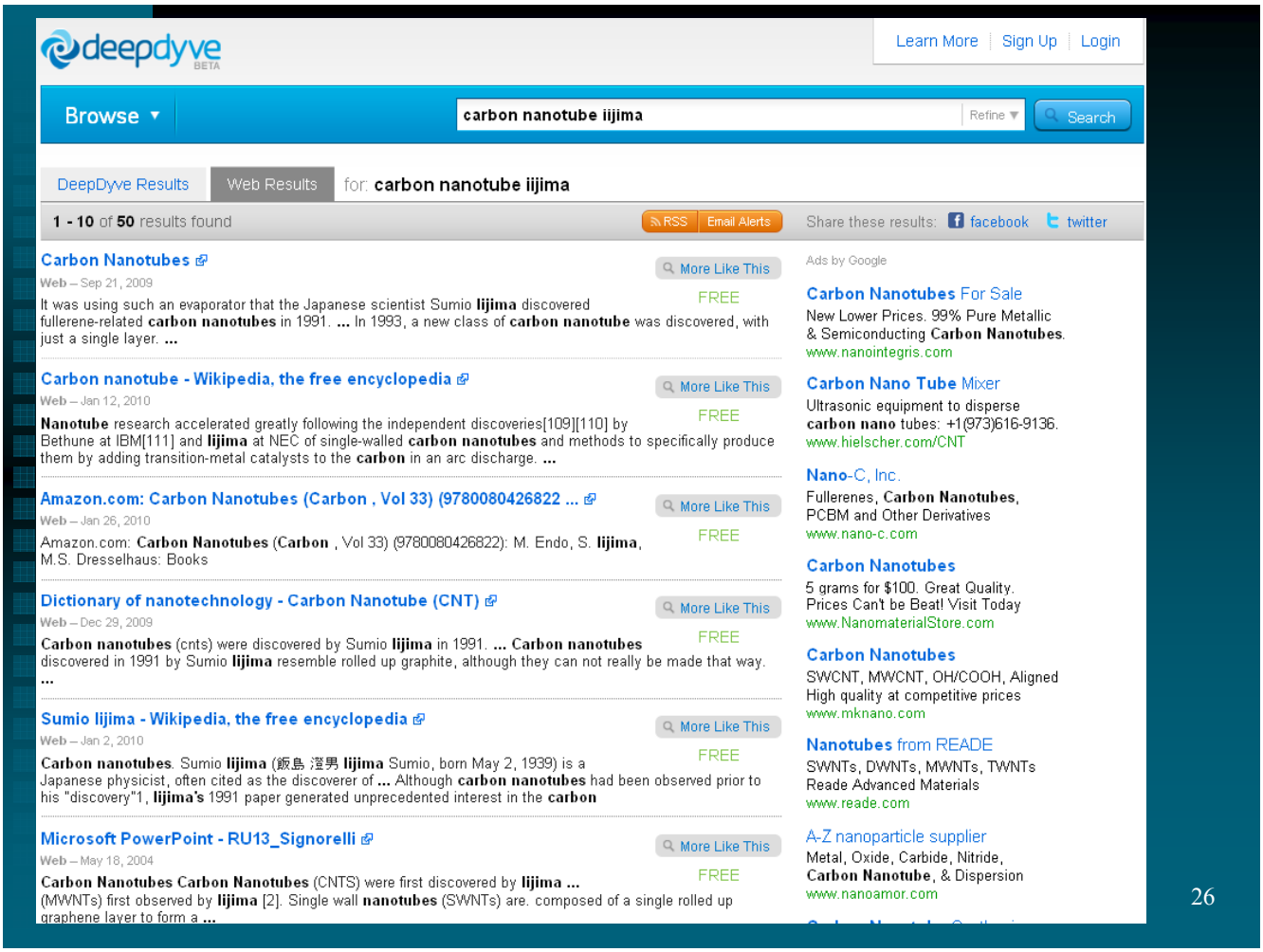
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Conclusion

- Proposals to Japanese Publishers of Scholarly Societies 2

① Conversion to Online Journal is inevitable

② Evidence of Online licensing fees

- Disclosure of pricing policy of online licensing fees
- Explanation of calculation criterion
- Discount on print version (DDP：deep discount on print subscription)

③ Use and Test of Online licensing fees

Conclusion

- Proposal to Japanese Publishers of Scholarly Societies 2（continued）

④Carefully drafted contract of online licensing

- Acceptable range of access (Download, Remote access etc.)
- Archiving Right (Back up, Archive, Access to the contents for paying period after completing contract term etc.)
- Duty of Publishers (Contract fulfillment, User support service, Recovery scheme etc)
- Licensing fees (Collecting and analyzing use data)

Conclusion

- Proposal to Japanese Publishers of Scholarly Societies 3

  Rather than upgrading Online functionality,

  ① Monitoring use of library online resources
  - Uncomparable with other journals if not in conformity with the COUNTER
  - Looking at Impact Factor needed, but it may not always be correlated with researchers' opinions.
  - Usage Factor (Article use frequency／period)
    ex. UKSG project

  ② Stable accessibility for users to Online resources

  ③ Making up for subscription period at cancellation

3.4 In the event that this Agreement terminates because of expiration of the term and thereby discontinues paid access to Published Content, Licensor shall provide continuing access to Licensee and its Authorized Users to that portion of the Licensed Materials from onwards to the last subscription year of the License. Purchases any other online products from and makes payment for such other online products in which case Archive access to Content shall be granted without charge through for so long as Licensee continues to make payment for such other online products;

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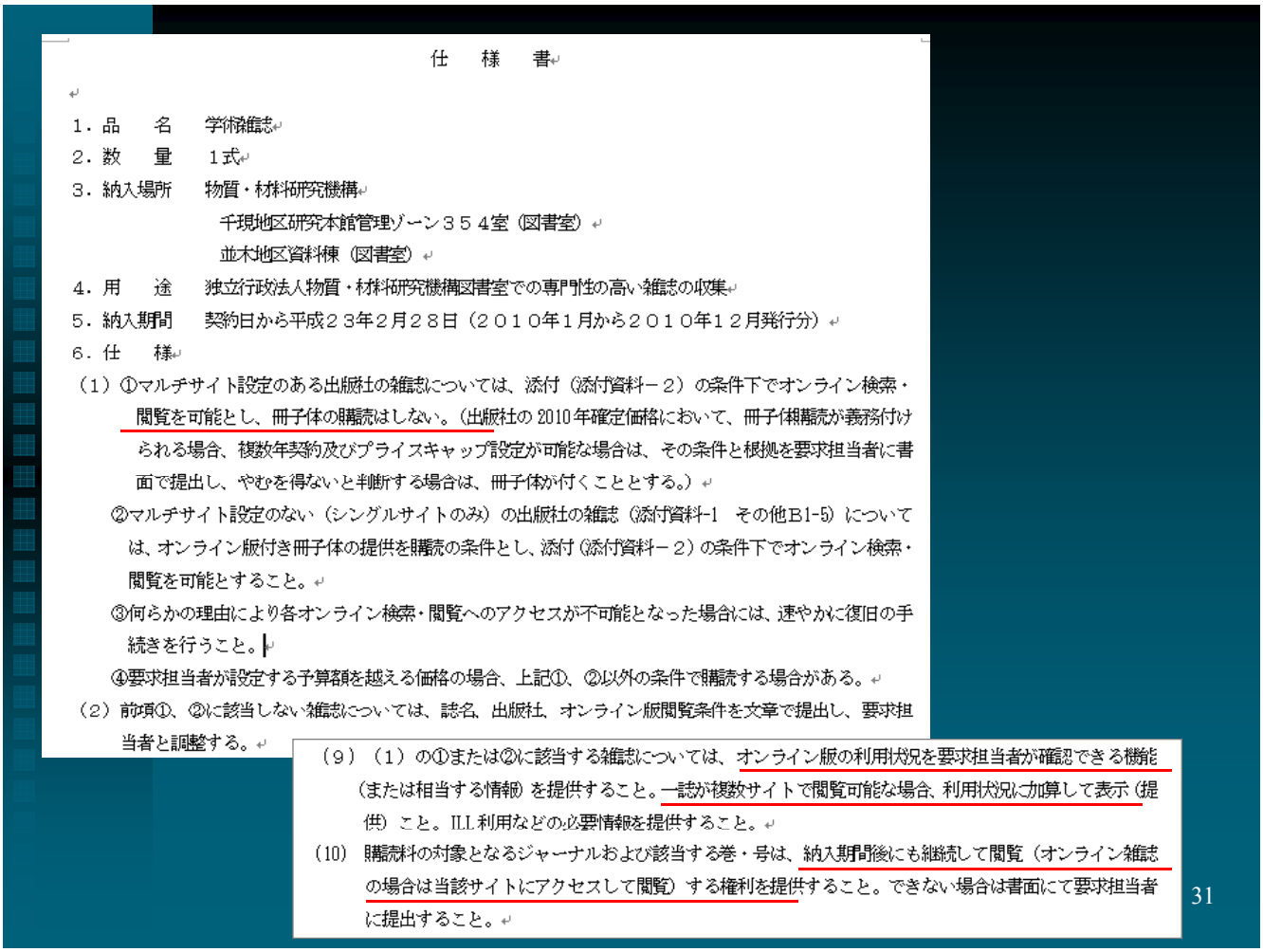
または甲が から他のオンライン商品を購入していない場合、甲は、アーカイブホスティングと を通しての コンテンツへのアクセスのために、甲として /年を年間メンテナンス費用として支払うことを選択することができる。前述の金額は今後の ジャーナル価格の年間平均上昇率と比例して調整する可能性がある。上記の代替として、乙は甲が、料金（事務手数料、取扱手数料、輸送料）を支払うことで、双方当事者が合意したデジタルストレージ媒体にてデジタルアーカイブコピーを提供することも可能である。



仕　様　書

1．品　名　学術雑誌
2．数　量　1式
3．納入場所　物質・材料研究機構
千現地区研究本館管理ゾーン３５４室（図書室）
並木地区資料棟（図書室）
4．用　途　独立行政法人物質・材料研究機構図書室での専門性の高い雑誌の収集
5．納入期間　契約日から平成２３年２月２８日（２０１０年１月から２０１０年１２月発行分）
6．仕　様
（1）①マルチサイト設定のある出版社の雑誌については、添付（添付資料－２）の条件下でオンライン検索・閲覧を可能とし、冊子体の購読はしない。（出版社の 2010 年確定価格において、冊子体購読が義務付けられる場合、複数年契約及びプライスキャップ設定が可能な場合は、その条件と根拠を要求担当者に書面で提出し、やむを得ないと判断する場合は、冊子体が付くこととする。）
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Proposal to Japanese Publishers of Scholarly Societies

A Japanese perspective:

① Tie-up of libraries and publishers of scholarly societies

→To develop mutually beneficial relationship

→Not to follow Western style but to build a Post-Big-Deal style

→To try to create Japanese style of new coordination

If successful / accepted in Japan,
Spreading it out globally
“Meticulous”Japanese-Style Journals
Supporting Members of scholarly communities/ Researchers