الوثائق والنواحي المتعلقة بالنشر التي لها تـــأثير علـــى أساليب العمل المكتبية. ومن المعايير التي صدرت فـــي هذا المجال ما يلي:

Z39.2-1985	Bibliographic information interchange.
Z39.4-1984	Basic criteria for indexes.
Z39.5-1985	Abbreviation of titles of periodicals.
Z39.9-1992	International Standard Serial Numbering.
Z39.11-1972	(Re-affirmed 1989) System for the Romanization of Japanese.
Z39.12-1972	(Re-affirmed 1989) System for the Romanization of Arabic.
Z39.14-1979	(Re-affirmed 1987) Writing abstracts.
Z39.18-1987	Guidelines for the organization, preparation and production of scientific and technical reports.
Z39.19-1993	Construction, format and managment of monolingual thesauri.
Z39.21-1988	Book numbering
Z39.22-1989	Proof corrections.
Z39.23-1990	Standard technical report number (STRN) format and creation.
Z39.41-1990	Printed information on spines.
Z39.43-1993	Standard address numbers for the publishing industry.
Z3944-1986	Serials holdings statements.
Z39.47-1992	Extended Latin alphabet coded character set for bibliographic use.
Z39.48-1992	Permanence of paper for publieations and documents in libraries and archives.
Z39.49-1992	Computerized book ordering.
Z39.50-1992	Information retrieval service definition and protocol specification for library applications(version 2).
Z39.53-1987	Codes for the representation of languages for information interchange.
Z39.56-1991	Serial itcm and contribution identifier (SICI).
Z39.57-1989	Holdings statements for non-serial items.
Z39.58-1992	Common command language for online interactive information retrieval.
Z39.59-1988	Eleetronic manuscript preparation and markup.
Z39.62-1993	Eye legible information on microfilm leaders and trailers and on containers of processed microfilm on open reels.
Z39.63-1989	Inter-library loan data elements.
Z39.64-1989	East Asian character code for bibliographic use.
Z39.66-1992	Durable hard-cover binding for books.
Z39.67-1993	Software description.

Z

Z39.50

زي 39.50

معيار تبادل المعلومات رقم Z39.50

معيار أمريكي قومـــي يحـــدد الـــبروتوكول المطلـــوب للكمبيوتر لاسترجاع معلومات من كمبيوتر آخر. وهـــذا البروتوكول يجعل في إمكـــان مســـتخدم الكمبيوتـــر أن يبحث في ويسترجع المعلومات من كمبيوتر آخر (علـــى شرط أن يستخدم الكمبيوتر الآخر بروتوكـــول *Z39.50*) بدون معرفة تركيب لغة البحث التي تستخدمها الأنظمـــة الأخرى. وهذا المعيار كانت قد وافقـــت عليـــه الهيئـــة القومية لمعايير المعلومات *NISO (National Information Standards Organization)* عام ١٩٨٨. وهو مصمم وفقا لطبقة التطبيقات *application layer* فـــي نظـــام الربـــط المفتوح *OSI*. والمقابل الذي اعتمدته *ISO* لهذا المعيـــار يشار إليه *"ISO Search and Retrieve" (SR)*.

وتستخدم المعايير التي تصدر بهذا الرقم في مجال علوم المكتبات والمعلومات وعمليات النشر. وهي تمثل بصفتها الرسمية اتجاه مهنة المكتبـــات نحـــو تقنيـــن المفـــاهيم والمصطلحات والحروف والعلامات والأداء والأســـاليب في تلك المجالات، فيما يتعلق بإعداد وتجهيز واســـتخدام

ISO/ANSI/NISO 3166	Country codes
ISO/ANSI/NISO 9660	CD-ROM volume and file structure.
Z39.4	Guidelines for indexes and related information retrieval devices.
Z39.5	Abbreviation of titles of periodicals.
Z39.7	Library statistics.
Z39.69	Record format for patron records.
Z39.70	Format for circulation transactions
Z39.71	Holdings statements for bibliographic items.
Z39.73	Single tier steel bracket library shelving.

.za

في الإنترنت، مجال جغرافي يشير إلى أن العنوان يقع في أفريقيا الجنوبية *South Africa*.

zap زاب

١. يمسح الملف نهائيا بدون أي أمل في استرجاعه.

٢. يتلف الجهاز عن طريق إطلاق كهرباء ستاتية خلاله.

Zatocoding تكويد زاتور

نظام للبطاقات المثقبة يستخدم للإنتقاء الآلي للمعلومات. وتستخدم في هذا النظام بطاقات ذات حواف مثلمة وهو من تصميم *Calvin N. Mooers*. وتخصص بطاقة لكل وثيقة ويشار إلى محتواها الموضوعي بثلم على حافتها، وهو ما يسمح بالفرز الآلي باستخدام جهاز *Zator 800 Selector* لمسح الملف واختيار البطاقات المطلوبة.

Zator زاتور

اسم تجاري لنظام من البطاقات التي تستخدم التثليم لتسجيل المعلومات واسترجاعها. وتعد قائمة بالموضوعات ثم تكود عن طريق نمط من الثلمات التي تخصص كل منها لموضوع معين.

See also Zatocoding.

z-axis إحداثي ع

إحداثي ثالث في الاحداثيات الديكارتية يمثل العمق بحيث يكون هو والإحداثيين السيني والصادي شكلا مجسما ثلاثي الأبعاد.

See also Cartesian coordinates, x-y-z coordinate system.

ZBB *See zero-based budgeting.*

ZD Net زي دي نت

موقع على الويب مصمم لمستخدمي الكمبيوترات الشخصية حيث يستضيف جماعات مهتمة بالكمبيوتر الشخصي وموضوعات الكمبيوتر التقنية. ويحتوي على الكثير من البرمجيات المجانية. يسمى أيضا: *ZiffNet*.

See also SIG.

Zephyr *See RLG.*

zepto- زبتو

في النظام المتري، سابقة تعني:

10^{-21} (one sextillionth)

(كسر واحد على عشرة أس ٢١).

zero-based budgeting (ZBB)
الموازنة الصفرية

نظام في الميزانية، يبرر فيه وجود أي برنامج سواء كان جديدا أو مستمرا فيما يتعلق بفائدته وبمقارنته بالبرامج الأخرى في كل فترة جديدة للميزانية وذلك من "نقطة الصفر"، أي بدون أي افتراضات سابقة، وهو مما يؤدي إلى اعادة ترتيب الأهداف وفحص التكاليف غير الظاهرة.

zero divide القسمة على صفر

عملية قسمة على صفر، وهي عملية غير مسموح بها في الرياضة. والبرنامج الذي تحدث به عملية قسمة على صفر يكون به عيب.

zerofill *See zeroize.*

zero growth *See steady growth.*

zeroize يعادل بالأصفار

يستبدل رموزا ويضع مكانها نمط من البتات *bit pattern* يمثل "صفرا". يسمى أيضا: الحشو بالأصفار *zerofill*.

zero suppression حذف الأصفار

حذف الأصفار عديمة الأهمية خلال الطبع.

zero-wait state *See wait state.*

zero width joiner رابط بعرض صفري

zero width non-joiner
بلا رابط بعرض صفري

zest الاستمتاع بالكتابة

zetta- زيتا

في النظام المتري، سابقة تعني:
10^{21} (one sextillion)

z-fold paper *See fanfold paper.*

ZiffNet *See ZD Net.*

ZIG

اختصار *Z39.50 Implementors Group*

تأسست بالولايات المتحدة عام ١٩٩٠، وهي تتألف من المنتجين والموردين ومقدمي خدمات المعلومات الذين يتناولون معايير *Z39.50* المتعلقة بالبحث في المعلومات واسترجاعها.

See also Z39.50.

zigzag fold *See concertina fold.*

ZIG-Z3950 (Z Implementers Group)
المجموعة التطبيقية لمعايير Z39.50

zinc etching حفرعلى الزنك

(انظر: *zincography*)

zinco

١. **زنكوغراف** (راجع: *zincograph*)

٢. قالب مصنوع من الزنك يستخدم بدل نحاسة التجليد (راجع: *binder's brass*) وهو قليل التحمل والطبعات التي تنتج عنه تنقصها الحدة.

zinco etching حفر زنكغرافي

(انظر: *zincography*)

zincograph (zinco) زنكوغراف

١. لوح طباعي من الزنك محفور، يستخدم في طباعة صور الكتب والرسوم البيانية المطبوعة بالأبيض والأسود. تسمى طريقة الطباعة بالزنكوغراف *zincography*.

٢. طبعة عن هذا اللوح.

zincography حفر زنكغرافي

حفر خطوط وشبكات طباعية على لوح من الزنك. يستخدم المصطلح على نطاق واسع في مجال حفر القوالب (الكليشيهات) الخطية أكثر من استخدامه للكليشيهات الشبكية (الهافتونات). يسمى أيضا: *line cut, zinc etching*

zinc oxide paper ورق أكسيد الزنك

ورق مغطى بمستحلب من أكسيد الزنك يستخدم في الاستنساخ الالكتروستاتي *electrostatic copying press*

zincplate litho *See lithography.*

.zip

امتداد اسم الملف الذي يدل على أن الملف هو ملف أرشيفي مضغوط ويحتوي على ملف أو أكثر وأن الملف قد ضغط بواسطة برمجية *PKZIP*.

Zip drive

محرك أقراص طورته شركة *Iomega* يستخدم أقراص مقاس *3.5* بوصة يمكن نقله من مكان لمكان وسعته *100 megabytes*. وهناك أيضا محركات يمكنها اختزان *200 megabytes* على القرص الواحد.

القانون الأول:

يسمى القانون الأول بقانون زيف للألفاظ عالية التردد. أما درجة علو التردد فتعتمد على النص محل التحليل.

والقانون الأول: $r * f = C$

حيث:

r تكون المرتبة الخاصة بالألفاظ التي تتكرر عدد f من المرات.

C هي المعلمة *parameter* التي تعتمد على النص الجاري تحليله.

ويذكر زيف

Zipf, G. K. (1949). *Human behavior and the principle of least effort.* Cambridge, MA: Addison Wesley.

أنه وجد علاقة ارتباطية واضحة بين عدد الكلمات المختلفة في كتاب *Ulysses of James Joyce* وتكرار استعمال تلك الكلمات، بمعنى أنها تقارب المعادلة البسيطة للقطع الزائد القائم *equilateral hyperbola*.

فمثلا، في تحليل زيف لنص من *Ulysses*، وردت الكلمة في المرتبة العاشرة ٢٦٥٣ مرة، والكلمة في المرتبة العشرين ١٣١١ مرة.

وناتج ضرب ١٠ * ٢٦٥٣ هو ٢٦٥٣٠

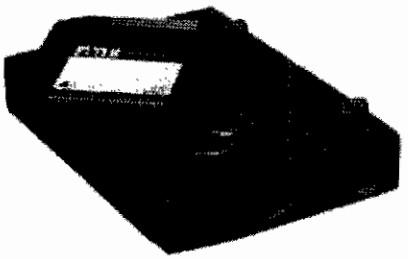
وناتج ضرب ٢٠ * ١٣١١ هو ٢٦٢٢٠

وتكون قيمة *C* (حوالي ٢٦٠٠٠) ثابتة حتى الكلمة التي تقع في المرتبة الألف، التي ترددت ٢٦ مرة. وناتج ضرب

١٠٠٠ * ٢٦ = ٢٦٠٠٠

القانون الثاني:

والقانون الثاني لزيف يتعلق بالألفاظ ذات التردد المنخفض. ودرجة الانخفاض تعتمد على النص الجاري تحليله، ولكنها بالتأكيد ستشمل الألفاظ ذات الترددات ١، ٢، ٣، ٤، ٥.



External Zip drive

توزيع زيف Zipfian distribution

التوزيع الزائدي *hyperbolic distribution* للكلمات المستخدمة في مجموعة كبيرة من النصوص، يسجل بيانا باستحدام النسبة المئوية التركيمية لعدد مرات استخدام الكلمات في مقابل النسبة المئوية التركيمية للكلمات التي ساهمت في هذا الاستخدام. مشتق من التحليل الذي أجراه *George K. Zipf* عام ١٩٤٩، والذي وجد فيه أن عددا قليلا نسبيا من الكلمات يتكرر وروده كثيرا وتكون نسبة وروده في النص كبيرة جدا. وقد لاحظ زيف أنه إذا أحصى الكلمات التي ترد في النص ثم نظمها وفقا لمرتبتها طبقا لعدد التكرارات. فإن التكرارات تكون متناسبة للتنظيم الرتبي.

See also Bradford's law.

قانون زيف Zipf's law

قانون مشهور في القياسات الببليومترية *bibliometrics* يتعلق بتكرار الألفاظ في النصوص. وقد سمي هذا القانون بعد العالم اللغوي *George Kingsley Zipf (1902-1950)*.

ويمكن بيان هذا القانون إذا أحصينا عدد تكرار كل كلمة في أحد النصوص، ثم رتبنا الكلمات حسب مراتبها بحيث أن الكلمات التي تتكرر كثيرا ترد في الترتيب أولا. والنصوص المكتوبة باللغة الإنكليزية تتضمن كلمات تتكرر كثيرا باستمرار، مثل: *the, a* أو أي كلمات أخرى ذات معاني سطحية، وبهذا يمكننا التعبير عن قانون زيف بقانونين.

zone *See Bradford's zone.*

مراقب مكتبات فرعية **zone librarian**

مكتبي مسؤول عن مجموعة من المكتبات الفرعية التي تقوم احداها بحفظ مجموعة كاملة من المواد المكتبية (كتب للكبار والصغار ومجموعة من المراجع واسطوانات وأشرطة وكاسيتات). أما المكتبات الأخرى التي يصل عددها إلى ثلاثة أو أربعة فروع فإنها تقدم خدمات بسيطة وأقل مما تقدمه المكتبة الكبيرة.

مكتبة مركزية صغيرة **zone library**

مكتبة مركزية تقدم خدمة مكتبية كاملة، كما تشرف على عدد من المكتبات القريبة الصغيرة وتمدها بالموارد المكتبية.

تثقيب خارجي **zone punch**

تثقيب في خارج المنطقة المخصصة له، أي على الاسطر ٠، ١١، ١٢.

التقسيم إلى مناطق **zoning**

تكبير/تصغير **zoom**

زوم للداخل/للخارج **zoom in/out**

عدسة تزويم **zoom lens**

عدسة ذات بعد بؤرى يتغير باستمرار بين حدين معينين. وهي تسمح للصورة البصرية بأن تتغير في الحجم بدون الحاجة إلى ضبط بؤري جديد وهي تستخدم في تصوير المشاهد القريبة والبعيدة. ويخيل للمشاهد الذي يراها على الشاشة، أن الكامرة تحركت إلى الأمام أو إلى الخلف بسرعة لتقترب أو تبتعد عن موضوع التصوير، والحقيقة أنها لم تتحرك من مكانها.

ميكروفون زوم **zoom microphone**

وفي نفس العمل (صفحة ٣٢) يذكر زيف القانون كالآتي:

$$N(f^2 - ¼) = C$$

حيث:

N هي عدد الألفاظ التي تكررت كل منها f مرة

C هي معلمة *parameter* تعتمد على النص الجاري تحليله

وفي المقالة التالية،

Booth, A. D. (1967). A "law" of occurrences for words of low frequency. Information and Contnol, 10, 386-393.

ورد قانون زيف في الصيغة التالية:

$$\frac{I_n}{I_1} = \frac{3}{4n^2 - 1}$$

حيث:

I_n هي عدد الألفاظ التي تكررت n مرة

I_1 هي عدد الألفاظ التي تكررت مرة واحدة

zip pan *See whip pan.*

مصباح زركونيوم **zirconium lamp**

مصباح خاص ذو شدة إضاءة عالية يستعمل كمصدر للطاقة الإشعاعية في التصوير الفوتوغرافي.

.zm

في الإنترنت، مجال جغرافي يشير إلى أن العنوان يقع في زامبيا *Zambia*.

زي مودم **Zmodem**

بروتوكول مشهور في إرسال الملفات يشبه *Xmodem and Ymodem*، ولكنه مصمم لإرسال كميات ضخمة من البيانات بمعدل أخطاء منخفض. ويتميز بأنه إذا حدثت مقاطعة أثناء الإرسال، فإن الإرسال يستمر من حيث توقف بعد استعادة الإرسال.

See also Xmodem, Ymodem.

zoomographic initial

حرف استهلالي حيواني الشكل

حروف استهلالية وجـــدت فـــي بعـــض المخطوطـــات المزينة ذات أشكال حيوانية.

.zr

في الإنترنت، مجال جغرافي يشير إلى أن العنوان يقـــع في زائير *Zaire*.

Z-score

درجة - Z

في الإحصاء، قيمة حرجة في مجموعة مـــن الدرجـــات يعبر عنها بعدد الانحرافات القياسية (راجـــع: *standard deviation*) أعلى من أو أقل من المتوسط. وعند تحويـــل مجموعة من الدرجات الأولية *raw scores* إلى درجات - *Z* فإن الوسط الحسابي *mean* لهـــذه الرجـــات القياســـية يساوي صفرا، وأن انحرافها القياسي يساوي ١.

وتسمى القيمة Z_i درجة قياسية اذا كانت تساوي:

$$Z_i = \frac{y_i - \bar{y}}{S}$$

حيث : y_i = الدرجات الأولية

$\bar{y}$ = الوسط الحسابي

S = الانحراف القياسي

Zurich Index *See Concilium Bibliographicum.*

Appendix A

Abbreviations and Symbols

المختصرات والرموز

-	minus sign; hyphen
#	pound sign; crosshatch; octothorpe
$	dollar sign
%	percent sign
&	ampersand; and
Å	angstrom
( )	parentheses; round brackets
éd.	édition
*	asterisk
.	star-dot-star
/	slash
?	question mark
@	at sign
[ ]	square brackets
\	backslash
_	underscore mark
{ }	braces; curly brackets
|	vertical bar; pipe
+	plus sign
< >	less than/greater than or angle brackets
=	equal sign
105mm	105 millimeter
1f	lower operating frequency
2B1Q	two binary, one quaternary
2CS	two carrier system
2D	two dimensional
2f	higher operating frequency
3-D graphic	three dimensional graphic
3D	three dimensional
3DP	three dimensional printing
3PM	three-position modulation
4GL	fourth-generation language
8°	octavo
8mm	film size 8 millimeter

A

A	accumulator; alto
a	annual
A.B.	Artium Baccalaureus
a.c.	alternating current
A.C.	alternating current; ante Christum
A.C.S.	autograph card signed
A.C.T.	Australian Capital Territory
A.D.S.	autograph document signed
a.e.g.	all edges gilt
A.H.	Anno Hegirae; After Hegira
A.L.S.	autograph letter signed
A.N.S.	autograph note signed
A.R.	aspect ratio
a/c	alternating current
A/D	analog to digital
A/UX	Apple unix
AA	auto answer
AAAS	American Association for the Advancement of Science
AACR	Anglo-American Cataloguing Rules.
aa's	author's alterations
AAD	analog analog digital
AAL	American Association of Law Libraries; Association of Assistant Librarians; ATM Adaptation Layer
AALS	Association of American Library Schools.
AAP	Association of American Publishers, Inc.
AASL	American Association of School Librarians (ALA division)
AAT	average access time
ABC	automatic brightness control
Abdr.	abdruck
ABIC	adaptive bilevel image compression
ABIOS	Advanced Basic Input/Output System
ABR	automatic baud rate
abr.	abridged
ABT	advanced board technology
Abt.	Abteilung; Abtheilung
ABTAPL	Association of British Theological and Philosophical Libraries.
AC	accumulator; alternating current; author's correction
AC/DC	alternating current/direct current
ACA	Association of Canadian Archivists.
ACC	ACCumulator
acc.	accompaniment
acc. mat	accompanying material
ACCH	associated control channel
ACD	automatic call distribution
ACDI	asynchronous communications device interface

ACF	Advanced Communications Function
ACIA	Asynchronous Communications Interface Adapter
ACID	Atomicity, Consistency, Isolation, and Durability
ACK	ACKnowledgement
ACL	access control list; audio communication line
ACM	Association for Computing Machinery.
ACNDC	Advanced Communication Network Development Center Inc.
ACNDC	Advanced Communication Network Development Center Inc.
ACPA	Association of Computer Programmer and Analysts
ACR	achromatic color removal and replacement; automatic carriage return
ACRL	Association of College and Research Libraries (ALA division)
ACS	access control system; Advanced Communications Service; alternate channel suppression
ACSE	Association Control Service Element
ACSI	Association Canadienne des Sciences de l'Information.
ACT	ACcumulator, Temporary
ACTS	Advanced Communication Technologies and Services
A-D	analog-to-digital
AD, A.D.	Anno Domini (in the year of our Lord)
ADA	advanced design aids; analog to digital to analog
ADAPT	Advanced Display Attribute Programming Tool
ADB	Apple desktop bus
ADC	analog-to-digital converter; analog-to-digital conversion; automatic device control
ADCCP	Advanced Data Communications Control Procedure
ADD	analog digital digital
add.	additional
ADE	Advanced Interactive Executive
ADI	American Documentation Institute.
ADIC	Advanced Digital Information Corporation
ADL	asymmetrical digital subscriber line
ADMA	advanced direct memory access
ADO	ampex digital optics
ADP	Automatic Data Processing
ADPCM	adaptive differential pulse code modulation
ADPD	automatic display power down
adpt.	adapted
ADPVM	adaptive delta pulse code modulation
ADR	automatic dialogue replacement
ADRM	analog/digital re-master
ADSL	Asymmetrical Digital Subscriber Line; asymmetric digital subscriber loop
ADSR	attack, decay, sustain and release
ADSTAR	automatic document storage and retrieval system
ADT	asynchronous data transfer
AE	application entity
AEC	automatic editing control
AED	automatic error detection
AES	Audio Engineering Society (USA)
AF, A.F., a.f.	audio frequency
AFC	automatic frequency control
afd	afdeling
AFE	Apple file exchange
AFF	audio file format
afl.	aflevering
AFLICIO	American Federation of Labor/Congress of Industrial Organizations
AFP	Advance Function Printing; AppleTalk Filing Protocol
AFS	Andrew File System
AG	average gradient
AGA	advanced graphics adapter
AGC	automatic gain control
AGREP	AGRicultural Research Project
AGV	automatically guided vehicles
AHI	antihalation incoat
AHU	antihalation incoat undercoat
AI	artificial intelligence
AIB	asynchronous interface board
AIMS	auto indexing mass storage
AIO	Asynchronous Input/output
AIP	average instructions per second
AIPLA	American Intellectual Property Law Association
AIS	automated imaging systems
AIST	Agency of Industrial Science and Technology
AIX	Advanced Interactive eXecutive
AKA	also known as
AL	artificial language
ALA	American Library Association
Ala.	Alabama
ALC	automatic level control; automatic light compensation
ALCTS	Association for Library Collections & Technical Services (ALA division)
ALGOL	ALGOrithmic Language
ALPAC	Automatic Language Processing Advisory Committee
ALR	Advanced Logic Research Inc.
ALS	Automatic Light Switching

ALSC	Association for Library Service to Children (ALA division)
Alt.	Alternate; altitude
ALTA	American Library Trustee Association (ALA division)
Alta.	Alberta
alu, ALU	Arithmatic Logic Unit
ALVIN	autonomous land vehicle in a neural network
AM	amplitude modulation; automated mapping
AMD	Advanced Micro Devices Co.
Amer.	America; American
AMH	application message handler
AMI	access method interface; American Megatrends Inc.; American Microsystems Inc.
AMP	ampere
AMPS	Advanced Mobile Phone Service; automatic music program search
AMS	access method services
an.	annuario
AN/UYK	Army Navy/Universal digital computer
anal.	analysis: analyzed; Analytic
ANCOVA	analysis of covariance
ANDES	architecture with non-sequential dynamic execution schedule
ANI	automatic number identification
ANN	Artificial Neural Network
ann.	Annals; annuaire
anniv.	anniversary
annot.	annotated
anon.	anonymous
ANOVA	analysis of variance
ANRS	automatic noise reduction system
ANS	advanced network & services
ANSI	American National Standards Institute
ANSI/SPARC	American National Standards Institute/Standards Planning and Requirements Committee
anthol.	anthology
anthropol.	anthropology; anthropological
AO	analog output
AOC	advice of charge
AOC-D	advice of charge - during call
AOC-E	advice of charge - end of call
AOC-S	advice of charge - at call set-up time
AOCE	Apple Open Collaborative Environment
AOL	America Online
AOQ	average outgoing quality
AP, Ap	author's proof
APA	all points addressable
APCUG	Association of PC User Groups
APD	auto power down
API	application program interface
APL	A Programming Language
APLD	automatic program locate device
APM	Advanced Power Management
APNSS	analog private network signaling system
APP	automatic picture replacement
app.	appendix; application
APPC	Advanced Program-to-Program Communication
APPN	Advanced Peer-to-Peer Networking
Apr.	April
APSS	automatic program search system
APT	automatic picture transmission; Automatic Programmed Tool
AQL	acceptable quality level
AR	Arkansas; automatic reverse
ARCnet	Attached Resources Computing Network
ARDIS	Advanced National Radio Data Service
arg.	argang; argument
Ariz.	Arizona
Ark.	Arkansas
ARLL	advanced run-length limited encoding
ARM	advanced RISC machine; asynchronous response mode
AROM	alterable read only memory
ARP	Address Resolution Protocol
ARPA	Advanced Research Projects Agency
ARPANET	Advanced Research Projects Agency Network
ARQ	Automatic ReQuest
arr.	Arranged
ARRIP	Australian Rural Reserach in Progress
ART	Automatic Recognition Technology
art.	article
ARU	audio response unit
ARVIS	alternate reality vision system
AS3AP	ANSI SQL Standard Scalable and Portable
ASA	Acoustical Society of America; American Standards Association (Replaced by ANSI)
ASCAP	American Society of Composers, Authors and Publishers
ASCC	Automatic sequence controlled calculator
ASCII	American Standard Code for Information Interchange
ASCLA	Association of Specialized and Cooperative Library Associations (ALA division)
ASD	Adult Service Division
ASF	assignable square feet
ASI	American Society of Indexers; automated system initialization; Applied Systems Institute
ASIC	application-specific integrated circuit
ASIS	American Society for Information Science
ASL	automatic stereo level
ASM	assembler

ASME	American Society for Manufacturing Engineers; American Society of Mechanical Engineers
ASN	Abstract Syntax Notation
ASR	automatic send-receive set; automatic speech recognition
assn.	association
assoc.	associated; associate
asst.	assistant
AST	accurate screen technology; automatic scan tracking
ASTA	Advanced Software Technology and Algorithms
A-V	audio-visual
AT	absolute time; advanced technology; ATtention (Hayes Command Set)
AT&T	American Telephone and Telegraph
ATA	Advanced Technology Attachment
ATC	authorizcd training centre; automatic tuning control
ATCC	American type culture collection
ATDP	ATtention Dial Pulse
ATDT	ATtention Dial Tone; ATtention Dial using DTMF Touch-tone Dialing
ATE	Automatic Test Equipment
ATIS	advanced traveler information systems
ATM	Adobe Type Manager; Asyncbronous Transfer Mode; Automated Teller Maehine
atm	atmosphere
ATMS	advanced traffic management systems
ATOLL	Aceeptance Test Or Launch Language
ATR	audiotape recorder; Advanced Telecommunications Researeh Laboratory
ATRC	Advanced Television Researcb Consortium (Philips, Thomson, NBC)
ATS	Automated Troubleshooting System
ATTS	automatic tape timer selector
AU	access unit; administrative unit; Arithmatic Unit
Audg	Ausgabe
Aufl	Auflage
Aug.	August
AUI	Attachment Unit Interface; autonomous unit interface
aum	aumentada; aumentato
AUP	acceptable use policy
Aus.	Australia; Australian
Austr.	Austria; Austrian
auth.	author
autobiog.	autobiography; autobiographical
Autoexec.bat	AUTOmatically EXECuted BATch
AUX	auxiliaIy
AV	audiovisual; audio/video; AVailable
AVA	audio visual authoring language; International Audio Visual Software Fair Organizing Association
avail.	available
AVC	audio visual connection: automatic volume control
AVCS	advanced vehicle control system
avd.	avdeling
AVI	audio-visual interleaving; automated vehicle identification
AVK	audio visual kernel
AVL	automatic vehicle location
AVR	automatic volume recognition
AVSS	audio-video support system
AVT	address vector table
AWE	advanced wave effccts
AWG	American Wire Gauge
AZ	Arizona

B

B	bass; Bus line; byte; Bell
b	bit
B&W	black and white
b.	born
B.C.	before Christ; British Columbia
b.f.	boldface type
B.P.	back projection; before the present
b/s	bits per second
B/s	bytes per seeond
BALUN	BALanced Unbalanced
BASF	Badisehe Anilin und Soda Fabrik
BASIC	Beginner's All-purpose Symbolic Instruction Codc
BASICA	Advanced BASIC
BAT	Batcb
BB	black burst; Burr Brown
BBS	bulletin board system
BC	byte counter; binary code
BCB	block control byte
BCC	block control character; block check character
BCD	binary-coded decimal
BCP	Byte Control Protocol
bd.	band
bde	Bande
BDLC	Burrough's Data Link Control
BDOS	basic disk operating system
bds.	boards
Belg.	Belgium; Belgian
Belorus.	Belorussia; Belorussian
BEP	bit error probability
BER	bit error rate

BEX	broadband exchange
BF	Boldface type
BFT	boundary function table
BGI	Borland Graphics Interface
BGP	Border Gateway Protocol
BGU	business graphics utility
bibl.	bibliography
bibliog.	bibliography; bibliographical
BIDEC	binary to decimal converter
BIDI	bidirectional bus
BIFF	binary interchange file format
bilng	bilingual
BIM	beginning-of-information marker
BINAC	BINary Automatic Computer
BIO	buffered input/output
biog.	biography; biographical
BIOS	basic input/output system
BIOSIS	Bioscience Information Service
BIP	Books in Print; bulk information processing
BISDN;	Broadband Integrated Services
B-ISDN	Digital Network
BISYNC	Binary Synchronous Communications (Bisynchronous Communications)
bit	BInary digiT
BITBLT	bit block transfer
BITNET	Because it's Time Network
BIX	binary information exchange
bk.	book
BL	bit length
BLAISE	British Library Automated Information Service
BLCMP	British Libraries Cooperative Mechanization Project
BI-DI	bidirectional communications
BLOBs	binary large objects
BMP	bit mapped pattern; batch message processing
BMUG	Berkeley Macintosh User Group
BNC	baby 'N' connector; Bayonet-Neil-Concelman; British national connector
BNF	Backus Naur Form
BNPF	Beginning, negative, positive, finish
BNU	basic networking utilities
BOCA	Borland object component architecture
BOD	bandwith-on-demand
BOF	beginning of file
BOP	Bit-Oriented Protocol
BOPS	billion operations per second
BOS	basic operating system
BOT	boolean operation table
BPB	BIOS parameter block
bpi	bits per inch
bpp	bits per pixel
bps	bits per second
BPU	branch protection unit
BRA	basic rate access
Braz.	Brazil; Brazilian
BRC	Business reply card
BRI	basic-rate interface
Brit.	Britain; British
Bro., Bros.	brother(s)
BRR	bitrate reduction
BRS	Bibliographic Retrieval System
BS	backspace (character); base station
BSA	Business Software Alliance
BSC	Binary Synchronous Communications; Bisynchronous Communications
BSD UNIX	Berkeley Software Distribution UNIX
BSI	British Standard Institute
BSO	Broad System of Ordering
BSS	broadcast satellite system
BT	broader term
BTAM	Basic Telecommunications Access Method
BTSC	Broadcast Television Systems Committee
BUCOP	British Union Catalog of Periodicals
Bulg.	Bulgaria; Bulgarian
bull.	bulletin
BVU	broadcast video U-matic
BW	black and white
byte	BinarY digiT Eight

C

C	cyan; celsius; programming language C
c.	chapter; circa; copyright
C.A., c.a.,ca	circa
C.P.M.	cards per minute
C.P.S.	character per second
C/N	carrier-to-noise-ratio
C/S	client/server
C7	common channel signaling no. 7
CA	California; computer-aided; channel adapter; change accumulation; channel attachment
CACD	computer-aided circuit design
CAD	computer-aided-design
CAD/CAM	computer-aided design and manufacturing
CAE	computer-aided engineering
CAGE	computer-aided graphic expression
CAI	Computer-Aided Instruction; Computer-Assisted Instruction
CAIR	Computer-Assisted Information Retrieval
CAL	calibrate; Computer-Augmented Learning
Calif.	California
CAM	common access method; Computer Aided Manufacturing; Content Addressable Memory
CAMAC	Computer Automated Measurement And Control
CAMD	computer assisted molecular design

CAN	controller area network
Can.	Canada; Canadian
CANARIE	Canadian Network for the Advancement of Researeh
Cap	Capital (letter)
cap	capital; capitolo
CAP	computer-aided publishing
caps	Capitals
CaPSL	Canon Printing System Language
CapsLock	capital lock key
CAPTAIN	character and pattern telephone access information network system
CAR	computer-assisted retrieval
CAS	Column Address Strobe; communicating application specification
CASE	computer-aided software engineering
CASS	conditional access subsystem
CAT	computer-aided testing; computer-aided translation; computer assisted telephony; computer assisted teaching; computer-assisted typesetting; computerized axial tomography
cat.	catalog(ue)
CATV	CAble TeleVision; Community antenna television; computer-aided TV
CAV	component analog video; constant angular velocity
CAVE	computer-assisted visual education
CAX	community automatic exchange
CBASIC	Compiled BASIC
CBIOS	Compatibility Basic Input/Output System
CBL	computer-based learning
CBM	Commodore Business Machines
CBMS	computer based messaging system
CBR	constant bit rate
CBT	computer-based training
CBX	computerized branch exchange
CC	Colon Classification; colour compensating; compact cassette
cc	cubic centimeters
CCA	common communication adapter
CCC	Central Classification Committee
CCCC	colour calibration, communication and control
CCD	central control desk; charge-coupled device
CCDM	charge-coupled device memory
CC filter	colour compensating filter
CCI	computer-controlled instruction
CCIR	Comite Consultatif International des
CCITT	ComitJ Consultatif Internationale de TJlJphonie et de TJlJgraphie; (Consultative Committee International for Telegraph and Telephone communication)
CCP	certificate in computer programming; communication control program; configuration control program
CCS7	common channel signaling no. 7
CCTV	computer controlled television; closed circuit TV
CCU	camera control unit; central control unit
CCW	counterclockwise
CD	call deflection; carrier detect; change directory; compact disc
CDC	Call Directing Code; Control Data Corporation
CD-DA	Compact Disc Digital Audio
CDDI	Copper Distributed Data Interface
CD-E	compact disc-erasable
CDE	control and display equipment
CD-I	Compact Disk-Interactive
CDL	compiler description language
CDMA	code division multiple access
CDP	certificate in data processing; corporate document production
CDPD	Cellular Digital Packet Data
CDPF	composed document printing facility
CD-PROM	Compact Disk Programmable Read-Only Memory
CDR	CD-ROM drive
CD-R	CD Recordable
CD-ROM	compact disc read-only memory
CD-ROM/XA	CD-ROM Extended Architecture
CDS	Cell Directory Service; Computerised Documentation Service; control data set
CD-S	compact disc-single
CDTM	compressed time division multiplex
CDTP	colour diffusion transfer paper
CDTV	Commodore dynamic total vision
CD-WO	compact disc-write once
CD-WORM	compact disc-write once read many
CDV	Compact Disc Video
CE	correctable error; channel-end; concurrent engineering
CECP	country extended code page
CED	Capacitance Electronic Disc
CEGL	cause-effect graph language
CEL	corporation for entertainment and learning
CEN	Comite Europeen de Normalisation
CENELEC	Comite Europeen de Normalisation Electrotechnique
cent.	century
CENTREX	central exchange
Centrex	CENTRal EXchange
CEPS	color electronic prepress system
CEPT	Conference European Post and Telecommunication
CERC	computer entry and readout control
CERDIP	CERamic Dual-In-line Package

CERT	Computer Emergency Response Team
cf.	confer; comper
CFB	call forwarding busy
CFNR	call forwarding no reply
CFU	call forwarding unconditional
CG	computer graphics
CGA	Color Graphics Adapter
CGB	convert gray to binary
CGI	computer graphics interface
CGM	computer graphics metafile
CGRP	compound file element group chunk
ch(s)	chapter(s)
chap.	chapter
Chin.	China; Chinese
CHIO	channel input/output
CHKDSK	Check Disk
CHKVOL	Check Volume
CIA	computerized image analysis
cic	cicero
CICP	communication interrupt control program
CICS	Customer Information Control System
CID	communication identifier; connection identifier
CIDB	International Council for Building Documentation
CIE	Commission Internationale de l'Eclairage
CIF	common intermediate format
CIFA	communications interface
CIM	computer input microfilm; computer-integrated manufacturing
CINAHL	Cumulative Index to Nursing & Allied Health Literature
CIOC	central input/output control
CIP.	Cataloguing in publication
CIR	Committed Information Rate
CIS	card information structure; Cataloguing in Source
CISC	complex instruction set computer
CIT	computer intergrated telephony
CIU	computer interface unit
cl	centilitre
CI	colour index; computer interconnect; component interface
CLASP	connecting link for applications and source peripherals
CLB	communication services local block
CLI	command line interpreter; compression labs inc.; calling line identification
CLIB	C Library; calling line identification presentation
CLIR	calling line identification restriction
CLK	CLock
CLNP	Connectionless Network Protocol
CLS	clear screen
CLTP	Connectionless Transport Protocol
CLUT	colour look-up table
CLV	constant linear velocity
cm	centimeter
CMC	common mails calls: Communication Machinary Corporation
CMI	computer-managed instruction
CMIP	Common Management Information Protocol
CMIP/CMIS	Common Management Information Protocol Services
CMIS	Common Management Information Service
CMISE	Common Management Information Service Element
CML	Current Mode Logic
CMM	colour matching methods
CMOD	customer-must-order-direct
CMOS	complementary metal-oxide semiconductor
CMP	Communications Plenum Cable
CMR	Common Mode Rejection
CMRR	Common Mode Rejection Ratio
CMS	Conversational Monitor System
CMY	Cyan, Magenta, and Yellow
CMYK	cyan, magenta, yellow and black
CNA	Certified Netware Administrator
CNE	Certified NetWare Engineer
CNEPA	Certified Netware Engineer Professional Association
CNI	Certified NetWare Instructor
CNS	Corporate Network Server
CO	Central Office; Colorado
Co.	company
COA	certificate of authencity
coax	coaxial cable
COBOL	COmmon Business-Oriented Language
CODASYL	Conference on DAta SYstems Languages
codd.	codices
CODEC	COder-DECoder; coding and decoding; compressor/decompressor
COGO	COordinate GeOmetry
coll.	college; collection; collector
Colo.	Colorado
COLP	connected line identification presentation
COLR	connected line identification restriction
COM	Command; Communication Port; computer output management; computer-output-microfilm; common object model
COMARC	Cooperative MARC
COMDEX	COMmunications and Data Processing Exposition; computer dealer expo

comp.	compilation; compiler; complimentary copy; composite
compar.	comparative
COMSEC	communications security
CON	console
CONF	add-on conference call
conf.	conference
Cong.	Congress
Conn.	Connecticut
CONS	Connection Mode Network Service
CONSER	Cooperative CONversion of SERials
cont.	continued
contemp.	contemporary
contrib.	contribution
CONTU	Commission on New Technologieal Uses of Copyrighted Works
CORBA	Common Object Request Broker Architecture
CORDIS	COmmunity R&D Information Service
CORGA	common object request broker architecture
Corp.	corporation
corr.	correction
COS	consumer operating system; Corporation for Open Systems
COSE	Common Open Software Environment
COW	Character-oriented Windows (interface)
CP/M	Computer Program Management; Control Program for Microcomputers
CPE	customer premises equipment
CPF	cold pressure fusing
cph	characters per hour
CPI	characters per inch
cpm	characters per minute
CPM	critical path method
cpp	characters per pica
CPQN	clocks per quarter note (equivalent to PPQN)
cps	characters per second; cycles per second
CPS	Conversational Programming System
CPT	color picture tube
CPU	central processing unit
CR	carriage return; Corporate Resellers
CRADA	Cooperative Research and Development Agreement
CRAM	Card Random Access Mechanism or Method
CRC	Communications Riser Cable; cyclic redundancy check(ing); carriage return character; camera-ready copy
CREN	Corporation for Research and Educational Networking
CREOL	Center for Research in Electro-Optics and Lasers
CRIS	Current Research Information System
CRISC	complex/reduced instruction set computer
crit.	criticism; critical
CRL	Communication Research Laboratory
CRLF	carriage return linefeed
CRM	Communications Resource Manager
CROM	Control Read Only Memory
CRP	channel request priority; configuration report program.
CRT	cathode-ray tube
CRTC	Cathode-Ray Tube Controller
CS	Chip Select; communication services; current state
CSCW	computer-supported cooperative work
CSD	Corrective Service Disk
CSIRO	Commonwealth Scientific and Industrial Research Organization
CSMA	Carrier Sense Multiple Access
CSMA/CA	Carrier-Sense Multiple Access/Collision Avoidance
CSMA/CD	Carrier Sense Multiple Access/Collision Detection
CSS	communications service satellite; Complete Statistical System; Continuous System Simulation
CSTA	computer supported telephony applications
CSU	channel service unit; customer setup
CSU/DSU	channel service unit/data service unit
CSV	Common Separated Value
CT	call transfer; Connecticut; continuous tone; cordless telephone
CTC	channel-to-channel
CTCA	channel-to-channel adapter
CTF	consumer transaction facility
CTI	color transient improvement; computer telephone integration
CTOC	compound file table of contents; Convergent technologies operating system
Ctrl	control
CTS	cartridge tape subsystem; Clear to Send; computer teypesetting system
cu	Close up
CU	close up; Control Unit
cu ft	cubic foot
cu in	cubic inch
cu yd	cubic yard
CUA	Common User Access; part of IBM SAA
CUG	closed user group
CUI	Character User Interface
CUTS	Cassette User Tape System
CVBS	color video blanking synchronisation

CVD	Compact Video Disc
CVO	commercial vehicle operations systems
CW	call waiting; Control Word
cycl.	cyclopedia
Czech.	Czechoslovakia; Czechoslovakian

D

D	Data line; density
d.	died
D.C.	District of Columbia
D.F.	Distrito Federal
d.s.	document signed
d.w.	dust wrapper
D/A	digital to analog
D/T	disk/tape
D2B	domestic digital bus
D-A	digital-to-analog converter
da	deca
DA	desk accessory; distribution amplifier
DAA	Data Access Arrangement
DAB	digital audio broadcasting
DAC	digital-to-analog converter; dual attachment concentrator
DACS	Digital Access Cross-Connect Switch
DAF	Display Attribute Files
dal	decaliter
dam	decameter
DAMA	Demand Assigned Multiple Access
DAP	Directory Access Protocol
DARPA	Defense Advanced Research Projects Agency
DAS	Data Acquisition System; dual-attached station
DASD	direct access storage device
DAT	digital audio tape
DATV	digital assisted television
DAV	Data AVailable
DB	database
dB, db	decibel
DBA	database administrator
DBC	decimal-to-binary conversion
DBF	database file
DBMS	database management system
DBP	deutsche Bundespost
DBS	direct broadcast satellite
DC	Decimal Classification; direct access; District of Columbia
Dc, D.C.,	Direct current; double column;
d.c., d/c	double crown; double cap
D-channel	data channel
DCA	Document Content Architecture; Digital Computer Associates
DCB	disk coproeessor board
DCC	data communications channel; digital compact cassette; digital cross connect
DCD	data carrier detected
DCE	Data Circuit Terminating Equipment; data communications equipment; distributed computing environment; data country code
DCF	data communication function
DCI	display control interface
DCM	Data Communication Multiplexor
DCP	digital contour processor
DCS	desktop color separation; digital camera system
DCT	discrete cosine transform; digital component technology
DCT-SQ	discrete cosine transform-scalar quantization
DCTL	direct-coubled transistor logic
DD	data dictionary; device driver; Double Density
DDA	digital differential analyzer
DDBMS	distributed database management system
DDC	Dewey Decimal Classification; Distance Delivery Consortium
DDCMP	Digital Data Communications Message Protocol
DDD	direct distance dialing; digital digital digital
DDE	Dynamic Data Exchange
DDES	digital data exchange specifications; digital data exchange standard
DDI	direct dialing in
DDK	Device Driver Kit; driver development kit
DDL	data description language; data definition language
DDLC	Data Description Language Committee
DDP	Datagram Delivery Protocol; distributed data processing
DDPP	direct digital printing plate
DDS	data description specifications; Digital Data Service; Digital Data Storage; Dataphone Digital
DDT	Digital Equipment Corporation software debugging program
DDX	digital data exchange
DE	Delaware
DEC	Digital Equipment Corporation
Dec.	December
DECdns	DEC distributed name service
DECmcc	DEC management control center
DECT	digital European cordless telephone
DEL	DELete (character)
Del.	Delaware
dele	delete
DELTA	Developing of European Learning through Technological Advance
dept.	department
DES	Data Encryption Standard; digital editing system
DESC	Defence Electronics Supply Center

DesCAF	design-controlled automated fabrication
descr.	description; descriptive
DESRA	Defense Supercomputing Research Alliance
DFB-laser	distributed-feedback laser
DFC	data flow chart; data flow control
DFD	data flow diagram
DFP	design for profitability
DFR	Double Frequency Recording
dg	decigramme
DGIS	direct graphics interface specification
DGT	Data Graphics Toolkit
DHCP	Dynamic Host Configuration Protocol
dia	diapositive
DIA	document interchange architecture
diagr(s).	diagram(s)
DIANE	direct information access network for Europe
DIB	device-independent bitmap
dicc.	diccionario
dict.	dictionary
DID	direct inward dialing
DIF	data-interchange format; document interchange format; document interchange facility
Digicipher	digital television compression and transmission system
Digital	Digital Equipment Corporation
DIN	Deutsches Institut fur Normalization; Deutsche Industrie Norm
DIP	dual in-line package
DIR	Directory
direct.	directory
DIS	document information system
dis.	distributing
DISC	disconnect
discog.	discography
DISOSS	Distributed Office Supported System
diss.	dissertation(s)
DISW	data link switching
DIX	Digital Equipment, Intel, and Xerox Ethernet standard
D-max	density, maximum
D-min	density, minimum
DJ	dust jacket
dl	deciliter
DLA	data link adapter; direct line attachment
DLC	Data Link Control; High-level Data Link Control
DLCI	Data Link Connection Identifier
DLE	Data Link Escape
DLL	data link layer; Dynamic Link Library
dm	decimeter
DM	desktop manufacturing; delay modulation
DMA	Defense Mapping Agency; direct memory access
DMAC	direct memory access controller
DMD	deformable mirror device
DME	distributed computing environment; distributed management environment
DME	Distributed Management Environmen
DMI	Desktop Management Interface
DML	database management language; data manipulation language
DMM	Digital Multi-Meter
DM-M	delay modulation, mark
DMN	digital multimedia network
DMOS	double-diffused metal-oxide semiconductor
DM-S	delay modulation, space
DMSD	digital multistandard decoding
DMTF	Desktop Management Task Force
DMUX	demultiplexer
DMX	demultiplexing
DN-1	Datanet 1
DNA	DEC Network Architecture
DNI	Desktop Network Interface (Token Ring adapter card)
DNIC	data network identification code
DNS	Distributed Naming Service; Domain Name Service; Domain Naming System; dynamic noise suppresion
do.	ditto
DoC	Department of Commerce
DOC	documentation
doc.	document; documentary
DoD	Department of Defense
DOD	drop on demand
DoE	Department of Energy
DOE	Distributed Objects Everywhere
DOMF	Distributed Object Management Facili
DOMS	Distributed Object Management Syste
DOR	Digital Optical Recording
DOS	Disk Operating System
DOSX	DOS Extender
DP	data processing
DPCM	differential pulse-code modulation
DPDT	Double Pole Double Throw
dpi	dots per inch
dpl	dots per line
dpm	documents per minute
DPM	Double Panel Meter
DPMI	DOS protected mode interface
DPMS	display-power management system; DOS protected mode services
DPNSS	digital private network signaling system
DPR	digital player recorder
DPSK	differential phase-shift keying; Digital Phase Shift Keying
DPST	Double Pole Single Throw
dpt	dioptre
DPU	display processing unit
DQDB	Distributed Queue Dual Bus

DR	density ratio; data rate
DRA	Data Research Associates
DRAM	dynamic RAM
DRAW	direct read-after write
DRC	data recording control
DRD	data reeording device
DRDA	Distributed Relational Database Architecture
DR-DOS	Digital Research Disk Operating System
DRO	destructive read
DS	digital signal; digital service; distant shot; Double Side
DS/DD	Double Sided/Double Density
DS/ED	Double Sided/Enhanced Density
DS/HD	Double Sided/High Density
DS/ND	Double Sided/Normal Density
DSA	Distributed System Architecture
DSAP	destination service access point;
DSD	data set definition; data structure diagram
DSI	digital speech interpolation
DSOM	Distributed System Object Model
DSP	digital signal processor; digital sound processor; display system protocol
DSPU	downstream physical unit
DSR	Data Set Ready; digital satellite radio
DSS	digital signature standard; Distributed Security Service
DSSI	digital storage system interconnect
DSSSL	document style semantics and specification language
DST	digital storage technology; data services task; dedicated service tools
DSU/CSU	data service unit/channel service unit
DSV	digital sum variation
DT	diffusion transfer; dynamic tracking
DTC	dynamic tape tension control
DTE	data terminal equipment
DTF	document type definition
DTI	desktop imaging
DTL	diode-transistor logic
DTM	digital terrain model; Touch-tone dialing system
DTMF	dual tone multiple frequency
DTP	Desktop Publishing
DTR	data terminal ready; data transfer rate
DTS	DesktTop Server; Distributed Time Service
DTV	desktop video
DUT	Device Under Test
DV-I	digital video-interactive
DVC	digital video cartridge
DVD	direct view display
DVE	digital video effects
DVR	digital video recording
DVST	direct view storage tube
DVTR	digital videotape recorder
DVX	digital voice exchange
DXC	digital cross connect
DXF	data exchange format; drawing interchange format.

E

E	emulsion; enable
E & G	educational and general expenditures
E notation	floating-point notation
E time	execution time
e.	east; eastern
E.	exa-
E.A.M.	electronic accounting machine card
e.g.	exempli gratia (Latin: for example)
E.S.	engine-sized
EA	Electronic Array
EAN	European article numbering
EAPRON	electrically alterable programmable read-only memory
EARN	European Academic Research Network
EAROM	electrically alterable read-only memory
EAU	erase all unprotected
EAV	end of active video
EAX	electronic automatic exchange
EB.	exabyte
EBCDIC	Extended Binary Coded Decimal Interchange Code
Ebeam	electron beam
EBONE	European Backbone
EBR	electronic beam recorder
EBU	European Broadcast Union
EC	European Commission
ECB	event control block; electronic codebook
ECC	error checking and correcting; error correction code
ECD	error correction decoder
ECHO	European Community Host Organization
ECIS	European Centre for Infrastructure
ECITC	European Committee for IT&T Testing and Certification
ECL	emitter-coupled logic
ECM	Electronic Counter Measures
ECMA	European Computer Manufacturers' Association
ECQAC	Electronic Components Quality Assurance Committee
ECS	European communications satellite
ECSA	Exchange Carriers Standards Association
ECT	explicit call transfer
ECU	extreme close up
ed.	edited; edition; editor
EDAC	error detection and correction

EDC	error detection code
EDCB	Enhanced Disk Coprocessor Board
EDDC	Extended Distance Data Cable
EDH	error detection and handling
EDI	electronic data interchange
EDIF	electronic design interchange format
EDIFACT	electronic data interchange for administration commerce and transport
edit.	edited; edition; editor
EDL	edit decision list
EDP	electronic data processing
EDQ	Extended Distance Quit Cable
educ.	education
EEMS	Enhanced Expanded Memory Specification
EEPROM	electrically erasable programmable read-only memory
EFI	Electronics For Imaging
EFL	Emitter-Follower Logic
EFP	electronic field production
EFT	electronic funds transfer
EGA	Enhanced Graphics Adapter
EGCS	extended graphic character set
EGP	Exterior Gateway Protocols
egs	centimeter-gramme-second
EHF	extremely high frequency
EHLLAPI	Emulator High-Level Language Application Programming Interface
EHT	extremely high tension
EI	external interrupt
EIA	Electronics Industries Association
EIS	executive information system
EISA	Enhanced Industry Standard Architecture
EIU	Economist Intelligence Unit
EIUF	European ISDN users' forum
ELD	electro-luminescent display
ELF	extremely low-frequency (emission)
ELINT	ELectronic INTelligence
ELS	enterprise library services
ELS NetWare	Entry Level System NetWare
e-mail	electronic mail
EMB	Extended Memory Block
EMC	eye movement camera
EMF	electromotive force
EMI	electromagnetic interference
EMM	expanded memory manager
EMS	Expanded Memory Specification
encycl.	encyclopedia
ENG	electronic news gathering
Eng.	England; English
Engl.	English
ENIAC	electronic numerical integrator and calculator
enl.	enlarged
ENQ	ENQuiry control character
E-NRZ	enhanced nonreturn to zero
ENS	European nervous system
ENV	environment
EOB	End Of Block
EOC	End Of Character; End Of Conversion
eod	every other day
EOF	end-of-file
EOJ	end-of-job
EOL	end of line
EOP	end of page
EOR	Electro-Optical Reconnaissance; end-of run; Exclusive OR; XOR
EOT	the end-of-transmission character; end-of-tape marker
EPA	Environmental Protection Agency
EPBX	electronic private branch exchallge
EPC	electronic page composition
epi	characters per inch
epl	characters per line
EPLD	erasahle programmahle read only memory
EPM	electronic photocomposing machine
EPOS	European PTT open learning service
EPP	Enhanced Parallel Port
EPRI	Electric Power Research Institute
EPROM	erasable programmable read-only memory
EPS	Encapsulated PostScript
EPSCOR	Experimental Program to Stimulate Competitive Research
EPSF	Encapsulated PostScript file
EPSS	electronic performance support system
EQ	equalization
ER	error recovery (procedures)
ERI	Enhanced Referential Integrity
ERIC	Educational Resources Information Center
ERMES	European radio messaging system
ERR	Error
ERTI	European Round Table of Industrialists
ESA	European Space Agency
ESC	escape character
ESCON	Enterprise System Connections
ESD	electronic software distribution; electrostatic discharge
ESDI	Enhanced Small Device Interface
ES-IS	End System-to-Intermediate System ro
ESL	electronic software licensing
ESP	electronic still picture; Emulation Sensing Processor
esp.	especially
ESPRIT	European Strategic Program for Research Information Technology
ESRI	European Systems Research Institute
ESS	electronic still store
EST	Eastern standard time
ESTV	Enhanced Definition Television
E-to-B	emulsion-to-base

E-to-E	electronics-to-elect emulsion
ET	exchange termination
et al.	et alii
et seq	et sequens
et seqq.	et sequentes; & the following ones; et sequentia: & those that follow
etc	et cetera
ETL	electrotechnical laboratory
ETNO	European Telecom Network Operators
ETP	End of Transmission Block
ETR	European technical report
ETS	European telecommunication system; European telecommunications standard
ETSI	European Telecommunications Standard Institute
ETU	Emulation Transfer Utility
ETV	educational television
ETX	end-of-text
EUTELSAT	European Telecommunication Satellite Organisation
EVE	European videotelephony experiment
EW	Electronic Warfare
EXCA	exchangable card architecture
EXE	executable file
EXP	expand

F

F	Fahrenheit; Female; Function
F key	function key
F-8	Fairchild's 8-bit microprocessor
f.	farad; following
f.p.m.	feet per minute
f.p.s.	frames per second
F/V	Frequency to Voltage Converter
Fac.	Facsimile
fac.	faculty
FACE	framed access command environment
facsim.	facsimile
FAMOS	Floating gate Avalanche Metal-Oxide Semiconductor
FAMT	fully automatic machine translation
FAQ	frequently asked questions
fasc.	fascicule
FAT	file allocation table
FAX; fax	facsimile
FAX4	facsimile group 4
FBIS	Foreign Broadcast Information Service
FBS	Fallback Switch
FC	full color
FCB	file control block
FCC	Federal Communications Commission; function class code; fiber channel standard; Federal Communications Council
FCCSET	Federal Coordinating Council for Science, Engineering and Technology
fci	flux changes per inch
fcl	flux change length
FCS	frame check sequence; function control sequence; fiber channel standard
FD	floppy disk; full duplex
FDC	floppy disk controller
FDD	floppy disk drive
FDDI	Fiber Distributed Data Interface
FDM	frequency-division multiplexing
FDP	field-developed program
FDX	full duplex
FE	Framing Error
Feb.	February
FED	field emission display; Research and Development Association for Future Electron Devices
fed.	federal; federation
FEP	front-end processor
FET	field-effect transistor
FF	fast forward; female-female; flip-flop; form feed
FFS	flash file system; floating foil security
FFT	fast Fourier transform; Final Format Text
FFTDCA	Final-Form-Text DCA
FG's	Folded gathered sheets
FHWA	Federal Highway Administration
FIAF	Federation Internationale de Archives du Film
fict.	fiction
FID	International Federation for Documentation
FIF	fractal image format
FIFO	first in, first out
filmog.	filmography
FILO	first in, last out
filol.	filologia; filologia
filos.	filosofia; filosofia
Fin.	Finland; Finnish
FIPS	Federal Information Processing Standa
FIT	International Federation of Translators
FITS	functional interpolating transformational systems
fjg	figure
FL	Florida
fl.	flores; flourished
FL.	Floruit; Flourished

Fla.	Florida
FLC	ferro-electric liquid crystal
flexo	flexography
FLOP	floating-point operations
FLOPS	floating-point operations per second
FM	facility management; frequency modulation; frequency multiplexing
FM encoding	frequency modulation encoding
FMV	full-motion video
fndtn.	foundation
fo.	folio
fol.	folio
foll	followed
FOV	Film-based Optical Videodisc
FP	floating point
FPD	full-page display
FPGA	Field Programmable Gate Array
FPH	freephone supplementary service
fpi	frames per inch
FPLA	field programmable logic array
FPLMTS	future public land mobile telephone services
FPLS	Field Programmable Logic Sequencer
fpm	feet per minute
FPO	for position only
FPP	Floating Point Package
fps	feet per second; frames per second
FPU	floating point unit
Fr., fr.	frame; France; French
FRAM	ferric RAM
FRG	Federal Republic of Germany (West Germany)
fri	flux reversals per inch
FRM	form
front.	frontispiece
fs	femtosecond
FS	File Separator
Fs.	facsimile
FSC	Full SCale range
FSK	frequency shift keying
FSN	full service network
FSS	fixed satellite service
FST	fast square tube
FT	file transfer; flow time
ft.	foot, or feet
FT2	fixed thermal transfer
FTAM	File Transfer Access and Management
FTC	fractal transform compression
FTD	fluorescent tube display
FTE	full-time equivalent
FTP	file transfer program; File Transfer Protcol; folded, trimmed and packed (books)
FTS	favourite track selection
FTSA	fault tolerant systems architecture
FTTH	fiber-to-the-home
FTTO	fiber-to-the-office
FTTZ	fiber-to-the-zone
fwd.	foreword
FX	effects
FYI	for your information

G

G	giga- (1 billion); gauss
G&E	exchange department
g.t., g.t.e.	gilt top
GA; Ga.	Georgia
GaAs	gallium arsenide
GASP	graphic application subroutine package
GATER	guide to acquisition in technology and emerging research
GATT	General Agreement on Tariffs and Trade
Gb	gigabit
GB	gigabyte
Gb/s	gigabit per second
GBU	graphics business unit
GC	graphics context
GCR	gray component removal or replacement; group character recording; group coded recording
GDA	Global Directory Agent
GDDM	graphical data display manager
GDF	graphics data file
GDI	graphics device interface
GDP	graphic draw primitives
GDR	German Democratic Republic (East Germany)
GDS	graphic design system; Global Directory Service
GDU	graphical display unit
GDV	graphic deflection vector
GE	general electric; greater than or equal to
GEM	graphical environment manager
gen.	general
GEnie	General Electric Network for Information Exchange
genlocking	generator lock
Ger.	Germany; German
Gesell.	Gesellschaft
GHz	gigahertz
GI	General Instruments (manufacturer)
GIF	Graphics Interchange Format
GIGO	garbage in, garbage out
GIP	graphic interactive processing
gips	giga instructions per seconds
GIS	geographic information system
Gk.	Greek
GKD	Gordon-Kendall-Davison (notation)

GKRS	Graphic Knowledge Retrieval System
GKS	Graphical Kernel System
GM	general MIDI
GMD	general material designation
GML	generalized markup language
GND	ground
GOCA	graphic object content architecture
GOCO	government-owned, contractor-operated
GOGO	government-owned, government-operated
GOSIP	Government Open Systems Interconnection Profile
govt.	government
GP	general purpose; graphics processor
GPF	general protection fault
GPG	graphics program generator
GPGS	general purpose graphic system
GPI	graphics programming interface; general purpose interface
GPIB	general purpose interface bus
GPO, G.O.P.	Government Printing Office (U.S.)
GPS	graphic programming services; global positioning system
GPSS	General Purpose Systems Simulator
GRACE	Graphic Arts Composing Equipment
GRASP	graphic system for online plotting
GS	graphics standard; General MIDI Mode Specification; general synthesizer
GSF	gross space feet
GSM	groupe speciale mobile
GSS	graphics symbol set
GT	greater than
GTF	generalized trace facility
GUI	graphical user interface

H

H	henry; hexadecimal; hue
h	hecto
H&J	hyphenation and justification
H.P.	hot pressed
h.t.	half title
H-sync	horizontal synchronization signal
ha	hectare
HAMT	hillman aided machine translation
HAR	highway advisory radio
HBA	host bus adapter
HCSS	High Capacity Storage System
HD	high density; half duplex; hard disk
HDBMS	hierarchical database management system
HDCD	high density compact disc
HDD	hard disk drive
HDDR	high density digital recording
HDLC	High-level Data Link Control
HD-MAC	high definition-multiplexed analog components
HDSL	High-bit-rate Digital Subscriber Line
HDTR	high density tape recorder
HDTV	high-definition television
HDX	half-duplex
HEA	Higher Education Act
HEAT	Help Desk Expert Automation Tool
Heb.	Hebrew
hex	hexadecimal
HF	high frequency
HFPT	host front end processor
HFS	Hierarchical File System
HFT	host file transfer
hg	hectogramme
HGC	Hercules Graphics Card
Hi-Fi; HIFI	high fidelity
Hi8	high-band 8 mm
HIPPI	High Performance Parallel Interface
HiRes	high resolution
hist.	history; historical
HIT	human interface technology
HI	Hawaii
hl	hectoliter
HLL	High-Level Language
HLLAPI	High-Level Language Application Programming Interface
HLS	hue, luminance and saturation; hue-lightness-saturation
hm	hectometer
HMA	high memory area
HMD	head mounted display
HMI	Hub Management Interface
HMM	Hidden Markov Model
HMOS	high density MOS
HMS	hours, minutes and seconds
HMSO.	Her (His) Majesty's Stationary
H.M.S.O.	Office (UK)
HOL	High-Order Language
HOLD	call on hold
HP	Hewlett-Packard Company
HPCCP	high performance computing and communication program
HPCN	high performance computing and networking
HPCS	high performance computing systems
HPFS	High Performance File System
HPGL	Hewlett-Packard Graphics Language; plotter files created by AutoCAD
HPIB	Hewlett-Packard Interface Bus
HPPCL	Hewlett-Packard Printer Control Language
HPPI	high performance parallel interface
HQ	high quality

hr	high reduction
hr.	hour
HRAF	Human Relations Area File
HS	high speed
HSA	high speed adapter
HSAC	high speed analog computer
HSB	heu saturation-brightness
HSD	high speed data
HSDB	Hazardous Substance Data Bank
HSDL	high speed data line
HSELINE	Health & Drug Information Library, The
HSG	High Sierra Group
HSI	hue saturation intensity
HSL	hue, saturation and luminance
HSM	hierarchical storage management
HSP	high speed printer
HSR	high speed reader
HSSI	High-Speed Serial Interface
HSV	heu-saturation-value
HSYNC	Horizontal SYNChronization
HT	halftone; half total
HTL	High Threshold Logic
HTML	Hypertext Markup Language
HTTP	Hypertext Transport Protocol
Hung.	Hungary; Hungarian
HWD	hight-width-depth
HYP	hyphen
Hz.	Hertz

I

I	integrated
I&R	information and referral service
i.e.	id est (Latin: that is)
I/O	input/output
I^2L	integrated injection logic
IA	integrated adapter; Iowa
IAALD	International Association of Agricultural Librarians and Documentalists
IAB	Internet Architecture Board
IAC	Information Access Corporation; er-application communication
IACODLA	International Advisory Committee on Documentation Libraries and Archives
IAL	international algebraic language
IALL	International Association of Law Libraries
IAMCR	International Association for Mass Communication Research
IAML	International Association of Music Libraries
IAOL	International Association of Orientalist Librarians
IAS	immediate access storage
IASA	International Association of Sound Archives
IASL	International Association of School Librarianship
IATUL	International Association of Technological University Libraries
IAYF	information at your fingertips
Ib.	ibidem
IBBY	International Board on Books for Young People
IBC	inside back cover
IBCN	integrated broadband communications network
IBG	interblock gap
ibid.	ibidem
IBM	International Business Machines Corporation
IBM XA	IBM extended architecture
IBY	International Book Year
IC	integrated circuit
ICA	integrated communications adapter; Intenational Communication Association; International Council on Archives
ICAR	Inventory of Canadian Agri-Food Research
ICC	International Children's Center
ICCM	Iinternational Council of Museums
ICCP	International Conference on Cataloging Principles
ICDA	integrated cached disk array
ICE	In-Circuit Emulation
ICG	interactive computer graphics
ICIS	International Copyright Information Center
ICLAE	International Council of Library Association Executives
ICLG	International and Comparative Librarianship Group
ICMP	Internet Control Message Protocol
ICOM	International Council of Museums
ICOMP	Intel comparative microprocessor performance index
ICON	image converter
ICOT	Institute for New Generation Computer Technology
ICR	intelligent character recognition
ICRSC	International Council for Research in the Sociology of Cooperation
ICSSD	International Committee for Social Sciences Documentation
ICSU	International Council of Scientific Unions
ICU	image converter unit; interactive chart utility
ID	Idaho; user identification; identifier;
Id.	idem
IDA	integrated digital access; Intelligent Drive Array
IDAC	Intelligent Drive Array Controller
IDAPI	Independent Database Application Programming Interface

IDC	International Documentation Center
IDE	integrated development environment; integrated drive electronics
IDF	interactive data facility
IDL	intruder detection/lockout
IDN	integrated digital network
IDN1	integrated digital network 1*64 kbit/s
IDN30	integrated digital network 30*64 kbit/s
IDOS	image display operating system
IDP	integrated data processing
IDPIA	integrated document production architecture
IDRP	Interdomain Routing Protocol
IDS	image distribution system; Integrated Design Strategies Inc.
IDTV	improved definition television
IE	information environment
IEAB	Internacia Esperanto Asociode Bibliotekistol (International Association for Esperanto Speaking Librarians)
IEC	International Electrotechnical Commission
IEEE	Institute of Electrical and Electronics Engineers (USA)
IEN	individualized electronic newspaper
IERE	Institute of Electrical and Radio Engineers (UK)
IET	Image Enhancement Technology
IETF	Internet Engineering Task Force
IFEN	intercompany file exchange network
IFIP	International Federation of Information Processing
IFIS	Internationa Food Information Service
IFLA	International Federation of Library Associations
ifr	inches per flux reversal
IFS	interactive filesharing; installable file system
IFT	ink film thickness
IGDS	interactive graphic design system
IGES	Initial Graphics Exchange Specification
IGS	interactive graphics software; interactive graphics system
IHE	Inherited Rights Filter
IHF	image handling facility
IIA	Information Interchange Architecture
IIL	integrated injection logic; interlibrary loan
IIPRC	International Intellectual Property Rights Committee
IIT	information and instructional technology
IL	Illinois
Ill.	Illinois
ill.	illustrated; illustration; illustrator
illus.	illustrated; illustration; illustrator
ILO	International Labor Organization
IM	imaging model; intermodulation
IMA	International Multimedia Association; Interactive Multimedia Association; International MIDI Association
IMAGE	Integrated Mapping and Geographic Encoding
IMAP	Internet Message Access Protocol
IMC	integrated multiplexer channel
IMCE	International Meeting of Cataloging Experts
IMD	intermodulation distortion
IMIS	integrated management information system
IMM	integrated memory module
IMP	Interface Message Processor
IMPACT	Information Market Policy Actions
IMS	information management system; intelligent manufacturing system; interactive multimedia services
IMS	Interface Management System
IN	Indiana; intelligent network
in.	inch
Inc.	Incorporated
INCIRS	International Communication Information Retrieval System
incl.	includes; including
Ind.	Indiana; Industry and Education
INFOTERM	International Information Center for Terminology
INGRES	interactive graphics and retrieval system
INIS	International Nuclear Information System
init	initialization program
INMARSAT	International Maritime Satellite organization
INS	insert
INSPEC	International Information Services for the Physics and Engineering Communities
inst.	instant; institute; institution
INT	interrupt(ion)
INTAMEL	International Association of Metropolitan City Libraries
Intel	Integrated Electronics
internat.	international
internet	internetwork
introd.	introduction; introductory
INTUG	International Telecommunications Users Group
IOC	input/output channel
IOCS	input/output control system
IOCTL	input/output control

IONL	Internal Organization of the Network Layer
IOS	input/output system
IP	image processor; intelligent peripheral; Internet Protocol
IPA	International Pharmaceutical Abstracts; international phonetic alphabet; International Publishers Association
IPC	interprocess communication
IPCS	interactive problem control system
IPF	image processing format; image processing facility
IPG	interactive presentation graphics
iph	impressions per hour
IPL	initial program load
IPLS	instant program location system
IPMS	interpersonal messaging system
IPng	Internet Protocol new generatic)n
IPP	in-plant printing
IPR	intellectual property rights
IPS	image processing system
ips.	inches per second
IPSS	instant program search system
IPX	Internetwork Packet eXchange
IPX/SPX	Internetwork Packet eXchange/Sequenced Packet Exchange
IPXODI	Internetwork Packet eXchange/Open Datalink Interface
IR	information retrieval; infrared; instruction register
IRC	Internet Relay Chat
IRD	information resource dictionary
IRDA	infrared data association
IRF	Inherited Rights Filter
IRG	inter-record gap
IRGB	Intensity Red Green Blue
IRI	Industrial Research Institute
IRIG	Inter-Range Instrumentation Group
IRIS	Integrated Risk Information System
IRLA	International Research Libraries Association
IRM	information resource management; Inherited Rights Mask
IRQ	interrupt request lines
IRS	International Referral System; interrecord-separator character
IRTF	Internet Research Task Force
IS	information system; Intermediate System
ISA	Industry-Standard Architecture
ISAD	Information Science and Automation Division
ISAM	indexed sequential access method
ISBD	International Standard for Bibliographic Description
ISBN	International Standard Book Number
ISCC	Inter-Society Colour Council
ISCED	International Standard Classification of Education
ISDN	Integrated Services Digital Network
ISDN-UP	isdn-user part
ISDN2	isdn-connection 2b+d
ISDN30	isdn-connection 30b+d
ISDS	International Serials Data System
ISFL	International Scientific Film Library
IS-IS	Intermediate System-to-Intermediate System Routing
ISI	Information Storage Inc.; Institute for Scientific Information; Intersymbol Interface
ISIS	Integrated Set of Informayion Systems; Intel System Implementation Supervisor
ISM	Intra System Matrix
ISMD	International Standard Matcriagraphic Description
ISMEC	Information Services in Mechanical Engincering
ISO	International Organization for Standardization (often incorrectly identified as International Standards Organization)
ISO 9660	CD-ROM standard 9660 adopted by the International Organization for Standardization
ISO/OSI	International Organization for Standardization/Open System Interconnection Model
ISODOC	International Information Center for Standards in Information and Documentation
ISORID	International Information System on Research in Documentation
ISPF	interactive system productivity facility
ISPICS	International Standardized Profile Implementation-Conformance Statement
ISR	image storage and retrieval
ISS	image symbol set
iss.	issue
ISSN	international standard serial number
ist.	istituto
ISV	independent software vendor
I-TIME	instruction time
I-time	instruction time

IT	image technology; information technology
It.	Italy; Italian
ital.	italic
ITFS	instructional Television fixed service
ITSC	International Technical Support Center
ITSEC	information technology security evaluation criteria
ITT	International Telephone and Telegraph
ITU	International Telecommunications Union
ITV	instructional television; interactive television
IV	interactive video
IVD	interactive videodisc
IVHS	intelligent vehicle-highway systems
IVR	interactive voice response
IVS	interactive videodisc system
I-way	information highway
IWF	inter working function
IWPS	infowindow presentation system
IX	index register

J

J	Jump Instruction
JAN	Joint Army Navy
Jan.	January
JANET	Joint Academic Network
Jap.	Japan; Japanese
JAWS	Jamming And Warning System
JCL	job control language
JCMA	Japan Construction Mechanisation Association
JEIDA	Japan Electronic Industry Development Association
JES	Japanese Engineering Standards
JESSI	Joint European Submicron Silicon Initiative
JFIF	JPEG interchange file format
Jhrb.	Jahrbuch
JICST	Japan Information Center for Science and Technology
JIPDEC	Japan Information Processing Development Center
JIT	just in time
JMSC	Japan Midi Standards Council
jour.	journal
JPEG	Joint Photographic Experts Group
JPS	Japan Society for the Promotion of Science
JSIMM	Japan Society of Industrial Machinery Manufacturers
JSMR	Japan shared mobile radio
JTAG	Joint Test Action Group
JTEC	Japanese Technology Evaluation Center
JTM	job transfer and manipulation

K

K	Kelvin; kilo- (1000 or 1024)
K.C.	Kyle Classification
KAI	Kurzweil Applied Intellegence
Kan.	Kansas
Kat	Katalog
Kb	kilobit
KB	kilobyte
Kb/i	kilobits per inch
Kb/s	kilobit per second
Kbit	kilobit
Kbps	kilobits per second
Kbyte	kilobyte
KCMS	Kodak color management system
KCS	kilo characters per second
KDS	key display system
Kfr/cm	Kilo flux reversals per centimeter
kg	kilogram
kHz	kilohertz
KLIC	Key-Letter in Context
km.	kilometer
KRI	Kansai Research Institute
krit.	Kritik; kritisch
KRS	knowledge retrieval system
KS	Kansas
Ksr	keyboard send/receive terminal (teletype terminal)
Kt/i	Kilotransitions per inch
kV	kilovolt
KW	Kilowatt
KWAC	Keyword Alongside of Context Index
KWAIC	Keyword Augmented in Context
KWEST	Keyword Extracted as a String of Terms Index
kWh	kilowatt-hour
KWIC	keyword-in-context
KWOC	keyward-out-of-context
KWOT	keyword-out-of-title
KY; Ky.	Kentucky

L

L	low
l.c.	loco citato (in the place cited)
L.p.	large paper copy
l.p.	large paper copy or edition
L.S., LS	library school; Locus sigilli
L.V.	Locis variis
LA; La.	Louisiana
LADDR	layered device driver architecture
LAMA	Library Administration and Management Association (ALA division)
LAN	local-area network

LANC	local application numerical control
lang.	language
LAP	Link Access Procedure
LAPB; LAP-B	Link Access Procedure-Balanced; link access protocol b-channel
LAPD; LAP-D	link access protocol d-channel
laser	light amplification by stimulated emission of radiation; London and South-Eastern Region
LAST	liquid archival sound treatment
LAT	Local Area Transport
Lat.	Latin
LATA	Local Access and Transport Area
Latv.	Latvia; Latvian
LBE	lower band edge; location based entertainment
LBI	Library Binding Institute
LBR	laser beam recorder
LC	Library of Congress; lower case
LCA	lowercase alphabet
LCC	leaderless chip carrier; Library of Congress Classification
LCD	liquid crystal display
LCD printer	liquid crystal display printer
LCMARC	Library of Congress MAchine-Readable Cataloging
LCSH	Library of Congress Subject Headings
LCT	low color temperature
LD	line driver
LDAP	Lightweight Directory Access Protocol
LDCS	linear direct conversion system
LDR	light dependent resistance; light dependent resistor
LE	less than or equal to
LEB	local ethernet bridge
LEC	local exchange carrier
lect.	lecture
LED	light-emitting diode
LED printer	light-emitting diode printer
LEO	laser and opto electronics; low-earth orbit satellites
lett.	lettere; letteratura; letterario
LF	line feed; low frequency
LFO	low frequency oscillator
LH	LoadHigh
LI	lead in; left in
LIA	limited intelligence agent
lib.	liber (Latin); library; librarian
libr.	librairie
LIC	last-in-chain; licensed internal code; line interface coupler
LIFO	last in, first out
LILO	last in, last out
LIM	Lotus/Intel/Microsoft
LIM EMS	Lotus/Intel/Microsoft Expanded Memory Specification
Linasec	a line a second
ling.	linguistics; linguistic
LIP	Large Internet Packet
LIPS	laser image processing scanner; linear inferences per second
LIPX	Large Internetwork Packet Exchange
LISP	LISt Processing language
lit.	literature; literary
LITA	Library and Information Technology Association (ALA division)
Lith.	Lithuania; Lithuanian
litt.	litterature; litteraire; litteratur
LJ	laser jet
ll.	leaves; lines of type
LLC	logical link control
LM	landscape monitor
lm	lumen
LNA	low noise amplifier
LNC	low noise block down converter
LO	lead out; left out
loc.cit	loco citato (in the same place)
LOR	lead operated relay
LP	line printer; long play
lpc	lines per centimeter
lph	lines per hour
lpi	lines per inch
Lpl	sound pressure level
lpm	lines per minute
lps	lines per second
LPT	line printer
LQ	laser quality; letter quality
LRC	learning resources center; longitudinal redundancy check
LS	lectori salutem; link status; locus sigilli (in the place of the seal); long shot
LS-API	Licensing Server API
LSA	LAN security architecture; Library Science Abstract
LSB	least significant bit
LSC	least significant character; linear sequential circuit
LSCA	Library Services and Construction Act
LSD	least significant digit
LSI	large scale integration
LSL	link-support layer
LSR	linear shift register
LT	less than; line termination
LTC	longitudinal time code
ltd.	limited
LU	logical unit
LU 6.2	Logical Unit 6.2
LUFO	least used, first out
LULOP	London Union List of Periodicals
LUT	look-up table
LV	Laser Videodisc

LVDT	linear variable differential transformer
LWX	LAN/WAN Exchange
lx	lux
LZW	Lempel Ziv Welch

M

M	magenta; male; mega- (1024); memory
m	meter; micron; milli- (0.001)
M.F.	machine finish
M/MC	man-machine communication
M2FM	Modified Double Frequency Modulation
MA	Massachusetts
mA	milliampere
MAC	Macintosh; media-access control; multiplexed analog components
Maced.	Macedonia; Macedonian
mag.	magazine
MAGP	Microfilm Association of Great Britain
MAHT	machine aided human translation
MALIMET	Master List of Medical Indexing Terms
MAN	metropolitan-area network
Man.	Manitoba
MANTIS	Manchester Technical and Commercial Information Services
MAP	Manufacturing Automation Protocol; messaging application programming;
MAPI	mail application programming interface; Messaging Application Programming Interface
MAR	memory address register
Mar.	March
MARC	MAchine Readable Catalog
MARLIS	Multi-Aspect Relevance Linkage System
MASH	multistage noise shaping
MASM	Microsoft assembler
MASS	MARC-Based Automatic Scrials System
Mass.	Massachusetts
mat	matrix
Math-Co	math coprocessor
MAU	multistation access unit; medium attachment unit
MAX	maximum
Mb	megabit
MB	megabyte
Mb/s	megabits per second
MB/s	megabytes per second
MBASIC	Microsoft BASIC
Mbit	megabit
MBO	management by objectives
MBONE	Multicast Backbone
Mbps	megabits per second
Mbyte	megabyte
MC	machine coated; megacycle; meter candle
mc	megacycle
MCA	Micro Channel Architecture; multi channel access
MCB	memory control block
MCC	multichannel communication; Micro Electronics and Computing Technology Consortium
MCD	master copy distribution; multimedia cartridge drive
MCGA	Multi-Color Graphics Array
MCI	Media Control Interface
MCID	malicious call identification
MCM	multichip module technologies
MCP	Macintosh Control Program
MCT	manufacturer's center line tape
MCU	multipoint control unit; medium close up
MD	Make Directory; Maryland; minidisc; monochrome display
MD ROM	minidisc read only memory
Md.	Maryland
MDA	Monochrome Display Adapter
MDB update	master database update
MDI	media control interface; multiple document interface
MDK	multimedia development kit
MDR	Memory Data Register
MDS	Microprocessor Development System
MDU	multidrive unit
ME	Maine; Micro Express (Company)
Me.	Maine
MEDLARS	Medical Literature Analysis and Retrieval System
meg	megabyte
MELA	Middle East Librarian's Association
mem.	memory; memorial
MEMO	memorandum
MESA	music editor, scorer, and arranger
MESI	modified, exclusive, shared, invalid
METRO	New York Metropolitan Reference and Research Library Agency, Inc.
MF	machine finish; male-female; mediation function; medium frequency
MFC	Microsoft Foundation Classes
MFLOPS	million floating-point operations per second
MFM	modified frequency modulation
MFM encoding	modified frequency modulation encoding
MFP	multi-frequency pulsing

MFS	Macintosh File System; modified filing system; multiple file systems
mg	milligramme
MGC	manual gain control
MH	message handler; MAC header
MHIDAS	Major Hazard Incident Data Service
MHS	Message Handling Service, Novell
MHz	megahertz
MI	multiple inheritance
MIAS	multipoint interactive audiovisual system
MIB	Management Information Base
Mich.	Michigan
MICR	magnetic ink character recognition
MIDI	medium independent digital image; Musical Instrument Digital Interface
MIF	management information format
MIFF	Management information format file
MIG	metal in gap
MIM	metal-insulator-metal
MIME	Multipurpose Internet Mail Extensions
mimeo.	mimeograph
MIN	minimum
min.	minute, -s
Minn.	Minnesota
MIPS	millions of instructions per second
MIS	management information service; management information system
misc.	miscellaneous
Miss.	Mississippi
MIT	Massachusetts Institute of Technology
MITI	Ministry of International Trade and Industry
mks	meter-kilogram-second
mksa	meter-kilogram-second ampere
MI	Michigan
ml	milliliter
MLA	Modern Language Association; Music Library Association
MLI	Multiple Link Interface
MLID	multiple-layer interface driver; multi-link interface driver
MM	male-male; multimedia
mm.	millimeter(s)
MMA	MIDI Manufacturers Association
MMC	meet-me conference; Multimedia Marketing Council
MME	multimedia extensions
MMI	man-machine interface; Monolithic Memories, Inc.
MMPM	Multimedia presentation manager
MMU	memory management unit
MN	Minnesota
MNP	Microcom Networking Protocol; multiple network protocols
M-O	magnito-optic
MO	magnetic optical disc; magneto-optical drives; Missouri
MO; Mo.	Missouri
mod.	modern
modem	MODulator/DEModulator
MOL	maximum output level
monog.	monograph
monoling.	monolingual
Mont.	Montana
mops	million operations per second
morphing	metamorphosing
MOS	metal-oxide semiconductor; modem operating system
MOSFET	metal-oxide semiconductor field-effect transistor
MOTIS/MHS	message oriented text interchange system/message handling system
MOU	memorandum of understanding
MP	multiprocessor
MP/M	MultiProgramming Monitor (MultiProgramming Control Program for Microprocessors)
MPC	Multimedia PC (personal computer)
MPDN	materials properties data network
MPEG	Motion Picture Experts Group
MPG	multimedia presentation generator
MPL	multimedia presentation language
MPS	multimedia presentation system
MPT	Ministry of Post and Telecommunication
MPTN	Multiprotocol Transport Network
MPU	main power unit
MPU	microprocessor unit
MPX	multiplexer
MQI	Message Queuing Interface, IBM
mr	medium reduction
MR	Modem Ready; memory read; multiport repeater
MRB	Management Request Broker
MRCF	Microsoft real-time compression format
MRCI	Microsoft real-time compression interface
MRDF	machine-readable data file
MRE	(Japan-US) Manufacturing Research Exchange
MRM	maximum right mask
MRS	music reading software; Materials Research Society
MS	medium shot; Microsoft; Mississippi; mobile station
ms	millisecond
MS-DOS	Microsoft Disk Operation System
ms.	manuscript; manuscripts
MSAC	Micro Sync to Async Converter
MSAV	Microsoft Anti-Virus program

MSB	most significant bit
MSC	MIDI show control; mobile service switching station; most significant character
MSCDEX	Microsoft Compact Disc Extensions
MSD	most significant digit
msec	millisecond
MS-NET	Microsoft Network
MSF	minutes, seconds and frames
MSI	midium-scale integration
MSN	multiple subscriber number
MSP	Microsoft's Windows Paint
mss	manuscript; manuscripts
MSS	mass storage system
MT	machine translation; Montana
MTA	Message Transfer Agent; motion time analysis
MTBF	mean time between failures
MTC	MIDI time code; Musical Instrument Digital Interface (MIDI) Time Code
MTF	modulation transfer function
MTP	message transfer part
MTS	multichannel television sound; message transfer system
MTTF	mean-time-to-failure
MTTR	magnetic tape recorder/reproducer; mean time to repair
MTU	magnetic tape unit
MUD	Multiuser Dungeon
Multimedia	
MUMPS	Massachusetts utility multiprogramming system
mupi	mobilier urbain pour publicité et information
MUPS	multiprocessing system
mus	museum
MUSE	multiple sub-Nyquist sampling encoding
mux	multiplexer
mv	millivolt
MVP	most valuable product
MVS	multiple virtual storage
MW	memory write
MX	multiplexing
Mz	Mezzo Soprano

N

N	negative-appearing microfilm
n	nano- (10^{-9}); north
n. pag.	no pagination
N.B.	New Brunswick
NC	North Carolina
n.c.	not cataloged
n.d.	no date
ND	North Dakota
N.F.	neue Golge
NH	New Hampshire
N.J.	New Jersey
NM	New Mexico
N.O.P.	not out publication
n.p.	new paragraph; no place; no price; no publisher; no price; no place of publication; no printer's name; no publisher's name
N.S.	Nova Scotia
N.S.W.	New South Wales
N.T.	New Testament; Northern Territory
N.W.T.	Northwest Territories
N.Y.	New York
n.y.p.	not yet published
n.y.r.	not yet received from publisher
N.Z.	New Zealand
n:o	numero
NA	not available; not assigned
NAB	National Association of Broadcasters
NACL	National Advisory Commission on Libraries
NACO	Name Authority Cooperative
NADS	National Advanced Driving Simulator
NAEC	Novell Authorized Education Center
NAFPD	North American flat panel display
NAFTA	North American Free Trade Agreenlent
NAK	Negative Acknowledgement
NAL	National Agricultural Library
NAMM	National Association of Music Merchants
NAND	logical NOT-AND
NAP	National Academy Press
NAPLPS	North American presentation level protocol syntax
NAS	network application support; National Academy of Sciences; network applications services
NASA	National AeroSpace Administration
NASIS	National Association for State Information Systems
NAS-NRC	National Academy of Science-National Research Council
nat.	national
NATIS	National Information Systems
NAU	network-addressable unit
NB	narrow band
NBA	National Braille Association
NBC	National Broadcast Corporation
NBM	non-book materials
NBS	National Bureau of Standards
NC	network control; no connection; North Carolina; numerical control

NCAIR	National Center for Automated Information Retrieval
NCB	Network Control Block; nickel cadmium battery
NCC	National Computing Centre; new common carrier
NCGA	National Computer Graphics Association
NCIC	National Cartographic Information Center
NCL	network control language
NCLIS	National Commission on Libraries and Information Science
NCP	NetWare Core Protocol; Network Control Program
NCR	no carbon required
NCSA	National Center for Supercomputing Applications; National Computer Security Association
NCSC	National Computer Security Center
ND	North Dakota
NDAC	not data accepted
NDD	NetWare Directory Database
NDDE	networking enabled dynamic data exchange
NDDK	network device driver kit
NDIS	Network Driver Interface Specification
NDK	network development kit
NDR	nondestructive readout
NDRO	nondestructive readout
NDS	Novell Directory Services (formerly NetWare Directory Services)
NDSU	North Dakota State University
NE	Nebraska; new edition in preparation; not equal to
NEAP	Novell Educational Academic Partner
Neb.	Nebraska
NEC	Nippon Electric Corporation
NEDO	New Energy and Industrial Technology Development Organization
NEF	network element function
NEGA	National Computer Graphics Association
NEQ	not equal to
NESE.DB	National Economic, Social, and Environmental Data Bank
NET	Norme Européenne de Télécommunications
NetBEUI	NetBIOS Extended User Interface
NetBIOS	Network Basic Input/Output System
NetDDE	Network Dynamic Data Exchange
netiquette	network etiquette
NEU	network expansion unit
Nev.	Nevada
new ser.	new series
newsl.	newsletter
NFAIS	National Federation of Abstracting and Indexing Services
Nfld.	Newfoundland
NFS	Network File System
NG	no good
NH	New Hampshire
NHTSA	National Highway Traffic Safety Administration
NI	Non-Interlaced
NIB	nickel iron battery
NIC	network interface card
NICE	network information and control exchange
NIDER	Netherlands Instituut voor Documentatie en Registratuur
NIE	National Institute of Education
NIFTP	network independent file transfer protocol
NII	National Information Infrastructure
NIMH	nickel metal-hydride
NIOSHTIC	National Institute for Occupational Safety and Health
NIOSHTIC	National Institute of Occupational Safety and Health
NIP	non-impact printer
NISC	National Information Services Corporation
NISO	National Information Standards Organization
NIST	National Institute of Standards and Technology
NISTEP	National Institute of Science and Technology Policy
NITCs	National Information Transfer Centers
Ni-Zn	nickel-zinc
NIU	North American ISDN users' forum; network interface unit
NJ	New Jersey
NL	new-line character
NLA	Nigerian Library Association
NLB	National Library for the Blind
NLM	National Library of Medicine; NetWare Loadable Module
NLQ	near-letter-quality; near-laser-quality
NLS	oN Line System
NLSP	NetWare Link Service Protocol
nm	nanometer
NM	New Mexico
NMA	National Micrographics Association
NMDA	New Media Development Association
NMI	non-maskable interrupt
NMO	network management option
NMOS	negative channel metal-oxide semiconductor; The N-channel MOS
NMP	Network Management Protocol

NN	network node
NNI	network node interface
NNTP	Network News Transport Protocol
no	numéro
no.	northern; number
NOC	Notation of Content
non. seq.	non sequiture
NOOP	no-operation instruction
NOP	no-operation instruction
NOR	logical NOT-OR
Nor.	Norway; Norwegian
NOS	network operating system
Nov.	November
NPA	Network Printer Alliance
NPAC	National Programs for Acquisitions and Cataloging
NPAR	monparametric
NPEL	noise power emission level
NPMS	non-powered modem sharing device
NPU	numeric processing unit
NR	narrow term; noise reduction
nr.	nummer
NRAM	nonvolatile random access memory
NRC	National Research Council
NRCD	National Reprographic Center for Documentation
NREN	National Research and Education Network
NRFD	not ready for data
NRI	National Resource Institute
NRZ	nonreturn to zero
NRZ-l	non return to zero-level
NRZI	non retum to zero inverse
ns	nanosecond
NS	National Semicondutor
NSAP	Network Service Aceess Point
NSDP	National Serials Data program
nsec	nanosecond (10^{-9})
NSERC	Natural Sciences and Engineering Research Council of Canada
NSF	National Science Foundation
NSFNET	National Science Foundation Network
NSP	native signal processing
NSRDS	National Standard Reference Data System
NT	narrow term; New Technology
NT1	network termination 1
NT2	network termination 2
NTAS	New Technology advanced server
NTBL	Nuffield Talking Book Library for the Blind
NTDS	(Windows) NT Directory Services
NTF	no trouble found
NTFS	New Technology File System; NT file system
NTIS	National Technical Information Service (US)
NTSC	National Television Standards Committee; National Television System Committee
NTT	Nippon Telegraph and Telephone
NUC	National Union Catalog, the
NUI	NetWare Users International
numb.	numbered
NumLock	number lock
NURBS	non-uniform rational B-spline
NV	Nevada
NVM	non-volatile memory
NVP	nominal velocity of propagation
NVRAM	nonvolatile random access memory
NY	New York

O

O&M	organization and methods; operation and maintenance
O.E.	Old English
O.T.	Old Testament
O/C	Open Collector
OASIS	open architecture system integration strategy
OB	outside broadcast
OBC	outside back cover
OCE	Open Collaborative Environment, Apple
OCLC	Online Computer Library Center, Inc.
OCR	optical character reader; optical character recognition
OCT	octal
Oct.	October
OD3	optical digital data disc
ODA/ODIF	open document architecture/open document interchange format
ODBC	Open Database Connectivity
Odcubed	Open Data-Link Interface
ODD	optical data digitizer
ODI	Open Data-Link Interface
ODINSUP	Open Datalink Interface/Network Driver Interface Specification Support
ODR	optical document reader
ODS	Optical Data Systems (Company)
ODSI	Open Directory Services Interfaces
OE	output enable
OE-PFF	Optoelectronics Prototype Fabrication Facility
OEM	original equipment manufacturer
OFC	outside front cover
OFR	optical form reading
OH	off-hook; Ohio
OIC	optimized image compression
OIS	office information system
OK	okay; Oklahoma
Okla.	Oklahoma

OLDT	on-line data transmission
OLE	Object Linking and Embedding; on-line equipment
OLFREFL	outline font reflection
OLFSHAD	outline font shadow
OLIR	on-line information retrieval
OLRT	online real time operation
OLTP	On-Line Transaction Processing
OM-CARD	optical memory card
OMA	Object Management Architecture
OMDR	optical memory disc recorder
OMEGA	open-ended modular electronic graphic arts
OMG	Object Management Group
OMI	open messaging interface
OMR	optical mark reader
OMS	office mail system
OMT	Object Modeling Technology
ONA	open network architecture
ONC	Open Network Computing
ONMS	Open Network Management System
Ont.	Ontario
OOP	object oriented programming
OOS	out of sync; object oriented software
OP	out of print
Op. no.	opus number
op.cit.	opere citato (in the work quoted)
OPAC	online public access catalog
OPC	odd parity check
opcode	operation code
OPI	open prepress interface
opm	operations per minute
opp.	opposite
OPT	Open Protocol Technology
OR	optical reader; Oregon; orientation ratio
Or.	Oregon
Orig.; orig.	original; originally
ORNL	Oak Ridge National Laboratory
OROM	Optical Read-Only Memroy
ORPC	object remote procedure call
ORTA	Office of Research and Technology Application
ortho	orthochromatic
OS	operating system; out of stock
OS/2	Operating System/2
OSA	open system architecture; open scripting architecture
OSD	on screen display
OSEP	Office of Special Education Programs
OSF	Open Software Foundation; operations system function
OSH	Occupational Safety and Health
OSI	Open Systems Interconnections model; open systems integration; out of stock indefinitely
OSPF	Open Shortest Path First
OSRD	Office for Standard Reference Data
OSTC	Open System Test Consortium
OSTP	Office for Science and Technology
OSU	optical storage unit
OTA	Office of Technology Assessment
OTP	one time programmable
OTR	one touch timer recording
OTT	Office of Technology Transfer (NIH)
OV	overflow; object vision
OVPC	odd vertical parity check
oz	ounce

P

P	peta-; positive-appearing microfilm; Press
p.	pico- (10^{-12})
p., pp.	page; pages
P.D.	public domain
P.E.I.	Prince Edward Island
p.p.	privately printed
p.p.s.	pictures per second
P.R.	Puerto Rico
p.t.o.	please turn over
PA, Pa.	Pennsylvania
PABX	Private Automatic Branch Exchange
PAC	paging area controller
PAD	packet assembler-disassembler
PADU	package assembling/disassembling unit
pag.	pagination
PAIS	Public Affairs Information Service
PAL	phase alteration line; programmable array logic
PALE	Phase altemating line encoding
PAM	pulse amplitude modulation
PAP	Packet-level Procedure; Printer Access Protocol
par.	paragraaf
PARC	Palo Alto Research Center
paren.	parenthesis
PAS	performance animation systern
PASC	precision adaptive sub-band codig
pat.	patented
PATH	Program on Advanced Technology for the Highway
PAX	private automatic exchange
PB	petabyte
pbk.	paperback
PBP	Packet Burst Protocol
PBX	private branch exchange
PC	parity check; personal computer; printed circuit; program counter

PC-DOS	Personal Computer Disk Operating System
PCB	PC-board; printed-circuit board
PCC	personal communication computer
PCI	peripheral component interconnect; Peripheral Component Interface; personal computer interconnect; protocol control information
PCIS	PC Integration Service
PCL	Printer Control Language; Programming Control Language
PCM	pulse-code modulation
PCMCIA	PC Memory Card International Association
PCMS	precision color management systen
p-code	pseudocode
PCN	personal communication network
PCOS	parallel code operated switch
PCR	polychromatic color removal
PCS	personal communication system; personal communication services: Personal Computing System
PCSA	personal computing systems architeeture
PCX	PC Paintbrush file format
PDA	personal digital assistant
PDC	peripheral device controller; primary domain controller
PDF	portable document file
PDH	plesiochronous digital hierarchy
PDI	product data interchange
PDL	page-description language
PDLC	polymer dispersed liquid clystal
PDM	pulse duration modulation
PDN	public data network
PDS	partitioned data set; Premises Distribution System; processor direct slot
PDU	power distribution Unit; Protocol Data Unit
PE	parity error; personal electronics; phase encoding; press error; printer's error
PEL	picture element (pixel)
PEM	Privacy Enhanced Mail
PERT	Program Evaluation and Review Technique
PET	Personal Electronic Transaction computer
PF	page footing
pf	PicoFarad
pf, PF.	portfolio
PFL	pre fade listening
PFM	Portrait-Format Monitor; printer font metrics; pulse frequency modulation
PFR	power-fail resist
PFS	personal filing system
PGA	pin grid array; Professional Graphics Adapter
PGD	Planar Gas Discharge display
PgDn key	Page Down key
PGF	presentation graphics featture
PGR	presentation graphics routines
PgUp key	Page Up key
PH	page heading; packet handler
PHIGS	programmer's hierarchical interactive graphics standard
philol.	philology
philos.	philosophy
photo(s)	photograph(s)
PHP	personal handy phone
PI	program identification; performance index
PIC	personal intelligent communicator; priority interrupt controller
PICS	Protocol Implementation Conformance Statement
PICT	picture
PIECE	productivity, information, education, creativity, entertainment
PIF	programmable interface; program information file
PIL	publishing interchange language: precision in-linc
PILOT	Programmed Inquiry, Language Or Teaching
PIM	parallel inference machine; Personal Information Manager
PIMOS	PIM operating system
PIN	personal identifIcation number
PING	Packet INternet Groper
PIO	Programmed Input/Output; Public Information Office
PIP	page image processor; peripheral interchange program; picture in picture
PISC	parallel instruction set computing
PIT	Programmable Interval Timer
PIU	Path Information Unit
pixel	PICtureS ELemcnt
PJ/NF	Projection-join normal form
PJL	printer job language
pl.	place
Pl. no	plate number
PL/I	Programming Language I
PL/M	Programming Language for Microprocessors
PLA	programmable logic array; Public Library Association (ALA division)
PLCC	plastic leaderless chip carrier
PLD	programmable logical device
PLL	Phase Locked Loop
PLMN	public land mobile network
PLO	Phase Locked Oscillator
PLV	production level video

PM	photomultiplier; Presentation Manager
PMA	program memory area
PME	privileged mode extensions
PMH	production per man hour
PMI	Precision Monolithics, Inc.
PMMU	paged memory management unit
PMOS	P-channel Metal Oxide Semiconductor
PMS	Pantone Matching System
PMT	photomechanical transfer
PNC	paging network controller
PnP	Plug and Play
POD	printing-on-demand
POF	program operator interface; point of failure
POH	power-on hours
POI	point of information
Pol.	Poland; Polish
POLIS	Parliamentary Online Information System
POPST	postulated-based permuted Subject Indexing
port.	portrait
Port.	Portugal; Portuguese
ports	portraits
POS	point of sale; programmable option select
POSIX	Portable Operating System Interface
POST	power-on self test
pot	potentiometer
POV	point of view
P-P	peak-to-peak
pp	pages
PPBS	planning-programming-Budgeting System
PPC	portable personal computer; program-to-program communicatios
PPF	photoplastic film
ppH	prints per hour
PPISC	Professional Publishers Interchange Specification Committee
PPM	pages per minute; pulse position modulation
PPP	Point-to-Point Protocol
PPQN	pulses per quarter note
PPS	page printing system
PQFP	plastic quad flat pack
PR	pseudorandom; Puerto Rico
pr.	printed
PRA	primary rate access
PRAM	parameter RAM
PRBS	pseudorandom binary sequence
pre-cat.	precataloging
precis	PREserved Context Index System
pref.	preface
PREP	PowerPC reference platform
PREV	previous
prev.	previously
PRI	primary-rate interface
priv. print.	privately printed
PRM	protocol reference model
PRMD	private managed domain
PRML	partial-respones maximum likehood
PRN	printer; pseudorandom noise
pro tem.	pro tempore
PROC	procedure
proc.	proceedings
PROFS	Professional Office System
prol.	prologue
PROLOG	PROgramming in LOGic
PROM	programmable read-only memory
Prov.	Provence; Provencial
PRT	printer
PrtScr key	Print Screen key
ps	picosecond
PS	presentation services; programmed symbols; programmed symbol set; PostScript
PSD	programmable sharing device
PSDN	Public switched data network
PSE	paper surface efficiency
psec	picosecond
pseud.	pseudonym
PSK	phase-shift keying
PSN	packet switching network
PSP	Program Segment Prefix
PSPDN	Packet-Switched Public Data Network
PSTN	public switched telephone network
PSW	Program Status Word
psych.	psychology; psychological
Pt	part
PT	pitch
pt.	pOilIt
PTE	Packet Transport Equipment
PTM	pulse time modulation
PTP	paper tape punch
PTR	paper tape reader; printer
PTT	Postal Telephone and Telegraph
PU	physical unit
pub.	publication; publisher; published; publishing
PUS	performance upgrade socket
PVA	polyviny;-acetate adhesive
PVC	permanent virtual circuit
PWB	printed wire board
PWI	public Windows interface
PWM	pulse-width modulation
PWR	power

Q

QA	Q-adapter; quality analysis; quality assurance
QAM	quadrature amplitude modulation; queued access method
QBE	query by example
QC	quality control
QCIF	quarter common intermediate format
QEMM	Quarterdeck Expanded Memory Manager
QIC	quarter-inch cartridge
QL	query language
Qld.	Queensland
QOS	quality of service
QPL	Qualified Products List
QPSK	quadrate phase shift keying
qq.v.	quae vide
QRC	quick reference card
QRG	quick reference guide
QSAM	queued sequential access method
Qsld.	Queensland
qt.	quart
QTAM	Queued Teleprocessing Access Method
quad.	quadraphonic; quadrat
quart.	quarterly
Que.	Quebec
QUIP	quad in-line Package
q.v.	quantum vis; quod vide

R

R	red; reset; register; registered; request; ring indicator
R&D	research and development
R.I.	Rhode Island
R.P.	reprinting
R.S.F.S.R.	Russian Soviet Federated Socialist Republic
R/W	Read/Write
RA	random access; right ascension
RACE	Researeh and development Advanced Communication in Europe Radiocommunications
RAID	redundant array of inexpensive disks; retrieval and information database
RALU	Register-equipped ALU
RAM	random-access memory
RAS	Row Address Strobe
RATFOR	Rational FORTRAN
RB	return to bias
RBOC	regional Bell operating companies
R-C	Register-Capacitor
RC	rewritable consumer; remote concentrator
RCA	Radio Corporation of America
RCC	Range Commanders Council
RCR	Research and development Center for Radio systems
RCV	receive(r)
R-DAT	rotary digital audio tape
RD	Receiv Data; Remove Directory
RDB	relational database
RDBMS	relational database management system
RDC	Remote Datagram Control
RDE	Received Data Enable
RDIR	Research and Development in Russia
RDOS	Real-time Disc-Operating System
ref.	reference
REJ	reject
relig.	religion; religious
REM	remark
REP	repeat; resolution enhancement procedure
reprod.	reproduced; reproduction
REPROM	reprogrammable read only memory
rept.	report
REQ	request
RES	reserve; reset signal
RET	resolution enhancement tecllnology; return
RETMA	Radio Electronics and Television Manufacturers Association
REV	reverse
rev.	revise; revised; revision; review
REW	rewind
REXX	Restructured eXtended eXecutor
RF	radio frequency
RFA	remote file access
RFC	request for comments
RFI	radio-frequency interface
RFP	Request for Proposals
RFQ	Request for Quotes
RFS	remote file service
RFT	revisable form text
RGB	red-green-blue
RH	relative humidity
RI	Referential Integrity; Right in
RIC	radio identity code
RIDE	Rapid Integrated Drive Electronics
RIFF	resource interchange file format
RIM	Retrieval Interface Manager
RIN	Reference Indicator Number
RIP	raster image processor; remote imaging protocol; Routing Information Protocol

RIS	Research Information Systems
Ris	Rule Interpretations
RISC	reduced instruction set computer
RIT	raad voor informatie technologie
RITE	Research Institute for Innovative Technology for the Earth
RJE	Remote Job Entry
RI	Rhode Island
RLE	run-length encoded
RLG	Research Libraries Group
RLIN	Research Libraries Information Network
RLL	run length limited (data coding)
RLV	Recordable Laser Videodisc
RMI	resource manager interface
RMS	root mean square
RMT	remote
RMV	remove
RMW	Read-Modify-Write cycle
R-NRZ-L	randomized nonreturn to zero, level
RND	Remote Name Directory
RO	read only; receive-only
RO terminal	read-only terminal
ROD	rewritable optical disc
ROM	read-only memory
ROM BIOS	read-only memory basic input/output system
Rom.	Romania; Romanian
ROP	run of press
ROS	real-time operating system
ROSE	Remote Operations Service Element
ROV	Reflective Optical Videodisc
RP	rapid prototyping; rear projection
RPC	Remote Procedure Call
RPG	Report Program Generator language
rpm	revolutions per minute; rotations per minute
RPN	Reverse Polish notation
RPROM	reprogrammable read only memory
RPS	rapid prototyping system
rps	revolutions per second
rpt.	reprint
RQBE	relational query by example
RS	Register Select
RSA	Rivest, Shamir, Adleman
RSU	remote switching unit
RT	related term
RTC	real time clock
RTECS	Registry of Toxic Effects of Chemical Substances
RTF	Rich Text Format
RTL	Run-time library
RTMP	routing table maintenance protocol
RTOS	Real Time Operating System
RTS	Ready To Send; Request To Send
RTV	real-time video
RU	request unit or response unit
Rus.	Russia; Russian
RUSA	Reference and User Services Association (ALA division)
RVA	recorded voice announcement
RW, R/W	read-write
RWC	read write calibration; real world computing
RWD	rewind
RWW	read-while-writing
RXD	Receive Data
RZ	Return to Zero

S

S	Select
S.	soprano
s.	south
S. Aust.	South Australia
s. caps	small capitals
s.a.	see also
s.c.	small capitals; super-cabndered paper
S.C.	South Carolina
S.D.	South Dakota
s.n.	Sine nominc (without a name)
S.S.; s/s	Same size
S.S.R.	Soviet Socialist Republic
S.T.	Small type
S/F	store and forward
S/H	Sample and Hold
S/N	signal-to-noise ratio
S/O	send only
S/PDIF	Sony/Philips digital interface
SA	selective availability
SAA	Society of American Archivists; Systems Application Architecture
SAC	Single Attachment Concentrator
SAE	Society of Automotive Engineers
SAG	SQL Access Group
SANE	standard Apple numeric extension
SAP	Service Access Point; Service Advertising Protocol
SAPI	Service Access Point Identifier
SAS	Singe Attachment Station; single-attached station; statistical analysis system
SASI	Shugart Associates System Interface
Sask.	Saskatchewan
SAV	start of active video
SAW	surface acoustic wave
SBC	single board computer
SBDC	Small Business Development Center
SBN	Standard Book Number
sc	single column
SC	South Carolina
sc.	scilicet
SC/MP	Simple Cost-effective Microprocessor

SCADA	Supervisory Control and Data Aquisition
Scan.	Scandinavia; Scandinavian
SCANDI	surveillance, control and driver information system
SCART	Syndicat des Constructeurs d'Appareils, Radiorécepteurs et Téléviseurs
SCC	serial communications controller
SCCP	signalling connection control part
SCCS	Southern California Computer Society
SCI VIS	scientific visualization
SCMS	serial copy master system
SCOLCAP	SCOTISH Libraries Cooperative Automation Project
SCOP	Single Copy Order Plan; Systematic Computerized Processing in Cataloging
SCOS	Serial Code Operated Switch
SCP	service control point
SCR	silicon-controlled rectifier
SCSI	Small Computer System Interface
sculpt.	sculpsit; engraved
SD	Send Data; South Dakota
sd.	sound
SDA	screen design aid; sense data included
SDF	screen definition facility; serial data field
SDH	Synchronous Digital Hierarchy
SDI	Selective Dissemination of Information; serial digital interface
SDK	Software Devcloper's Kit; System Development Kit
SDLC	Synchronous Data Link Control
SDM	selective dissemination of microfiche; space-division multiplexingsystem development methodology
SDP	structured data processing
SDU	Service Data Unit
SDVN	switched digital video network
SE	Sign Extend
SEC, sec.	second(s)
SECAM	Sequentiel Couleur à Memoire
SECT	sector
sect.	section
SEDBASE	Meyler's Side Effects of Drugs
SEG	segment; special effects generator
SEL	select
scl.	selected
SEM	scanning electronic microscopy; semiconductor manufacturing
scp.	separate
Scpt.	September
seq.	sequens
seqq	sequentes; sequentia
sequel	structured query language
SER	satellite equipment room
ser.	Serial; series; Service
Serb.	Serbia; Serbian
SES	Société Européenne des Salellites
SF.	Silent Film
SFBI	shared frame buffer interconnect
SFD	switching field distribution
SFT	System Fault Tolerance
SFX	sound effects; special effects
SGML	Standard Generalized Markup Language
SHD	super high definition
SHF	super high frequency
SHIP	Slater Hall Information Products
SI	Serial Input
si	silent
Si	silicium
SI	Systéme International d'Unités; system information; the shift-in character; System Integrator
SIA	Semiconductor Industry Association; Systems Integration Associates (Company)
Sic.	thus; in this manner
SID	symbolic instruction debugger
SIDF	system independent data formal
sif	Standard Interface Format
SIG	signal; special interest group
sig.	signature
SIGLE	System for Information on Grey Literature in Europe
SIMMs	single-in-line memory modules
SIMNET	simulation network
SIO	Simultaneous Interface Operation
SIP	single in-line package
SIU	system input unit
SL	service layer
Sl.	silent
SL., s.l.	sine loco
Slav.	Slavic
SLED	single large expensive disk; Statewide Library Electronic Doorway
SLIP	Serial line Internet Protocol
SLSI	Super Large Scale Integration
sm. cap	small capitals
SMAE	Systems Management Application Entity
small caps	small capitals
SMAP	systems management application procesc
SMB	Server Message Block; storage module drive
SMC	sheet molding compound
SMD	specific material designation
SMDS	multimegabit data service; Switched Multimegabit Data Service
SME	Society of Manufacturing Engineers

SMF	standard MIDI file
SMFA	Systems Management Functional Area
SMI	Static Memory Interfacc
SMM	system management mode
SMP	symmctrical multiprocessing
SMPTE	Society of Motion Picture and Television Engineers
SMS	Scientific Micro Systems; service management system; Storage Management Services
SMT	surface mount technology
SMTP	Simple Mail Transfer Protocol
SNA	Systems Network Architecture
SNADS	SNA Distribution Services
SNI	Standard Network Interconnection
SNMP	Simple Network Management Protocol
SNOBOL	StriNg-Oriented SymBOlic Language
SNOS	super network operating system
SNPA	Subnetwork Point of Attachment
SNR	signal-to-noise ratio
SNS	Switched Network Server
SO	Serial Output; Shift-Out bit
so.	southern
SOA	semiconductor optical amplifier
SOB	Start-of-block
soc.	society; sociolinguistics; sociolinguistic
SOF	sound on Film
SOH	Start of Header
SOHO	small office/home office
SOLINET	Southeastern Library Network
SOM	start of message; system object model; System Object Model
SONET	Synchronous Optical Network
SOS	silicon-on-sapphire
SOT	sound on tape
SP	Stack Pointer; standard play
Sp.	Spain; Spanish
SPA	Software Publisher's Association
SPAAR	Special Program for African Agricultural Research
SPARC	Scalable Performance Architecture (Sun Mictosystems, Inc.); Scalar Processor ARChitecture
SPDT	Single Pole Double Throw
spec	specification
spec. iss.	special issue
spec. sect.	special section
SPECOL	SPE Customer Oriented Language
SPG	sync pulse generator
SPIE	Society of Photo-Optical Instrumentation Engineers
SPL	sound pressure level
Spool	simultaneous peripheral operation on.line
SPP	song position pointer (multimedia)
SPSS	Statistical Paekage for the Social Sciences
SPST	Single Pole Single Throw
SPX	Sequenced Packet Exchange
sq.	square
SQA	software quality assurance
SQL	structured query language
SR	Status Register
SRAM	static random-access memory
SRI	Stanford Research Institute
SS	Single Side; Solid State
SS/DD	single sided/double density
SS/ND	single sided/nonnal density
SSCI	Social Science Citation Index
SSD	solid state disk
SSDA	Synchronous Serial Data Adaptor
SSDL	storage structure definition language
SSI	Small Scale Integration
SSN	Standard Serial Number
SSP	service switching point
SSR	Solid State Relay
SSTV	slow-scan television
s-t	small type
S-VGA	super video graphics array
ST	straight tip connector
STA	Science and Technology Agency; Spanning Tree Algorithm
STAIRS	storage and information retrieval system
START	system for analysis, research and training
stat mux	statistical multiplexing
STD	Standard
stereo.	stereophonic
STL	stereo lithography
STM	scanning tunneling microscopy; synchronous transfer mode; synchronous transport module
STP	shielded twisted-pair cable; signal transfer point; Spanning Tree Protocol
STRICOM	simulation, training and instrumentation
STRN	Standard Technical Report Number
STTL	Standard Transistor-Transistor Logic
STV	subscription television
STX	Start of Text
SUB	subaddressing
SUBST	substitute
sum.	summary
supp., suppl.	supplement
supt.	superintendent
SUT	Socket Under Test
SVD	simultaneous voice/data
SVGA	Super Video Graphics Array
S-VHS	super video home system
SVID	System V Interface Definition

SW	Status Word
SWALCAP	South-West Academic Libraries Cooperative Automation Project
SWDT	synchronization word detect time
Swed.	Sweden; Swedish
SWIFT	Society for Worldwide Interbank Financial Transactions
Switz.	Switzerland
SYLK file	Symbolic Link File
SYN	synchronizing character
sync	synchronization; synchronize; synchronizing; synchronous;
sync singal	synchronization signal
SYNTOL	Syntagmatic Organization Language
SYS	system
Sys Req key	System Request key
SysEx	system exclusive
sysgen	system generation
sysop	system operator

T

T	Tenor; tera- (10^{12}); True
t.	tome
t.e.g.	top edges gilt
t.f.	title frame
T.H.	Territory of Hawaii
t.p.	title page
t.s.	transcpt; tub-sized
T.S.	typescript; tub-sized
TA	Telecommunication Administration; terminal adaptor
TAA	track average amplitude
TAB	tabulate
TalAE	Taligent application environment
TalDE	Taligent development environment
TalOS	Taligent object services
TAPI	telephone application programming interface
Tas.	Tasmania
TASI	time assignment speech interpolation
TATS	Tone Activated Power Switch
Tb	terabit
TB	terabyte; Trillion Bytes (1000 GB)
TBC	time base corrector
TBE	time base error
TBF	time between failure
TBMT	Transmitter Buffer Empty
TC	telecommunieation; Technical Committee; transaction capabilities
TCal	thermal calibration
TCAM	Telecommunications Access Method
TCC	transmission control character
TCM	trellis-coded modulation
TCP	terminal control program; Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TCU	Tight close up
tcysitcyg	the-color-you-see-is-the-color-you-get
TD	Transmitted Data
TDM	time-division multiplexing
TDMA	time division multiple access
TDP	transactional data processing
TDR	time-domain reflectometer
TDT	telephonic data transmission
TE	terminal equipment
TE1	terminal equipment 1 ISDN
TE2	terminal equipment 2 non ISDN
TEI	Terminal End Point Identifier
TELEX	Telephone teletype exchange
TEMP	temperature; temporary
Tenn.	Tennessee
TEPCO	Tokyo Electric Power Company
TEST	Thesaurus of Engineering and Scientific Terms
Tex.	Texas
TFT	thin film technology; thin film transistor
TFTP	Trivial File Transfer Protocol
TGA	truevision Targa
THD	total harmonic distortion
theol.	theological; theology
THIC	Tape Head Interface Committee
TI	Texas Instruments; tone index
TIA	Telecommunications Industry Association
TIAAP	Telecommunications and Information Infrastructure Assistance Program
TIFF	tagged image file format
TIGA	Texas Instrument Graphics Architecture
TIGER	topologically integrated geographic coding and referencing
TIRIS	Texas Instruments Registration and Identification System
TLA	three letter acronym
TLI	Transport Level Interface; Transport Library Interface
TMN	telecommunications management network
TMSF	times, minutes, seconds and frames
TN	Tennessee
TOC	table of content
TOD	Time of Day
TOF	top-of-file
TOHO	tiny office home office
TOP	Technical Office Protocol
Top	Temporarily out of print
TOPS	Tone Operated Power Switch
TOS	tape operating system;

	Tramiel operating system
Tos	Temporarily out of stock
TOS	Transparent Optical Software
TOV	Transmissive Optical Videodisc
TP	teleprocessing; terminal portability; twisted-pair cable
TPA	transient program area
TPC	text processing center; Transaction Processing Council; transparent photoconduetor film
TPD	tape packing density
tpi	tracks per inch
TPM	third party maintenance
TPS	tape program search; thermally processed silver
TQC	total quality control
TQM	task queue mcmagement; total quality managcment
TR	terminal ready
tr.	transactions; translation; translator
TRN	token ring-network
TRS	time reference signal
trs.	transpose
TRSDOS	TRS Computer Disk Operating System Standard
TSAPI	telephony service application interface
Tsapı	telephony services applications programming interface
TSAT	T1 small aperture terminal
TSCL	time sharing command language
TSO	time sharing option
TSR	terminate-and-stay-resident program
TSS	Time-Sharing System
TST	Triple Super Twist
TSTN	triple super twisted nematic
TTE	transient tape errors
TTFN	ta-ta-for-now (goodbye)
TTI	Transitional Technology Inc.
TTL	transistor-transistor logic; trough the lens
TTP	tape-to-printer
TTS	teletypesetter; teletypesetting; Transaction Tracking System
tts.	teletypesetting
TTU	Tape Test Utility
TTY	teletype; teletypewriter
TU	tape unit
TUP	telephone user part
TUT	transistor under test
TV	television
TVT	television typewriter
TWA	terminal working area
TWAIN	technology without an important name
TWT	Travelling Wave Tuse
TX	Texas
TXD	Transmit Data
TXT	text
typog.	typographical

U

U	underflow
u	mu (micro 10^{-6})
U&LC	upper case and lower case
U.K.	United Kingdom
U.S.	United States
U.S.S.R.	Union of Soviet Socialist Republics
UAE	Unrecoverable Application Error
UAP	Universal Availability of Publications
UART	universal asynchronous receiver-transmitter
UBC	Universal Bibliographic Control
UBE	upper band cdge
UC	upper case
UCA	under color addition
UCC	universal classification system
UCR	under color removal
UCS	universal character set; uniform chromaticness scale
UCSD	University of California at San Diego
UD	ultra density
UDC	universal decimal classification
UDP	user datagram protocol
UDTV	ultra high definition television
UF	used for
UHF	Ultra high Frequeney
uhr	ultrahigh reduction
UIMS	User Interface Management System
UKMARC	United Kingdom MAchine-Readable Cataloging
Ukr.	Ukraine; Ukrainian
ULC	Urban Libraries Council
ULL	Underwriters Laboratories Listed
ULSI	ultra large scale integration
ult.	ultimo; last
UMA	upper memory area
UMB	Upper Memory Block
UMI	University Microfilm Incorporated
UNA	universal network architecture
UNC	University of North Carolina
UND	University of Nolth Dakota
UNDIS	United Nations Documentation Information System
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNI	user-network interface
UNIDO	United Nations Inductrial Development Organization
UNIMARC	Universal MARC Format

UNISIST	United Nations Information System in Science and Technology
univ.	university
Univ.-verl.	Universitatsverlag
UNIX	uniforrn executive
UNMA	Unified Network Management Architecture
UNO	universal network object
unpub.	unpublished
UP	University Press
UPC	Universal Product Code
UPD	update
UPI	Universal Peripheral Interface
UPS	uninterruptible power supply
URL	Uniform Resource Locator
URN	universal resource name
USART	Universal Synchronous/ Asynchronous Receiver/ Transmitter
USB	Universal Serial Bus
USC	United States Code
USCEA	US Council for Energy Awareness
USDC	US display consortium
USENET	USEr NETwork
USERID	user indentification
USITC	US International Trade Commission
USL	UNIX System Laboratories
USM	unsharp masking
USMARC	United States MARC
USPTO	US Patent and Trademark Office
USRT	universal synchronous receiver-transmitter
UT	Utah
UTC	universal teletex controller
UTIL	utility
UTP	unshielded twisted pair
UTP	unshielded twisted-pair cable
UTS	ultimedia tools series
UUCP	UNIX-to-UNIX CoPy
UUCP	UNIX-to-UNIX copy program
UUS	user-to-user signaling
UUT	unit under test
UV	ultraviolet
UVPROM	ultraviolet programmable read-only memory
UV ROM	ultraviolet read-only memory

V

V	version; volt
v.	versus; against; vide; see; vice; in lace of; violino; violin; voce; voice; Volume
v.d.	various dates
V.I.	Virgin Islands
V/F	Voltage to Frequency Converter
VA	video amplifier; Virginia; voltampere
Va.	Virginia
VAB	voice answer back
VAC	value added carrier; volts alternating current
VAFC	VESA advanced feature connector
VAN	value added network; vehicle area network
VANS	value added network services
VAP	value added process; video access point
VAR	value added reseller
var.	variant
VAT	value added tax
VAWP	Voice Activated Word Processor
VBNS	Very high-speed Backbone Network Services
VBR	variable area network
VBR	variable bit rate
VC	video conferencing; virtual container
VCA	video capture adapter
VCC	Virtual Channel Connection
VCE	visual color efficiency
VCO	voltage-controlled oscillator
VCPI	Virtual Control Program Interface
VCR	Video Cassette Recorder
VCS	virtual computing system
VDD	virtual device driver
VDE	vertical doping engineering; voice data entry
VDI	Video Display Input; video display interface
VDL	Vienna Definition Language
VDM	Video Display Metafile; virtual DOS machine
VDP	Video Display Processor
VDS	video direct slot
VDT	video display terminal
VDU	video display unit
VE	virtual environment
VEMM	virtllal expanded memoly manager
Ver.	version
Verl.	Verlag
VESA	Video Electronics Standards Association
VFN	vendor feature node
VFS	Virtual File System
VfW	video for Windows
VGA	Video Graphics Array; visual graphics adaptor
VGC	Video Graphics Color
VGM	Video Graphics Monochrome
VHD	very high density; Video High Density
VHF	very high frequency
vhr	very high resuction
VHS	Video-home system
VHSIC	very-high-speed integrated circuit
VI	Virgin Islands
VI&P	visual, intelligent & personal

Vic.	Victoria
VICS	vehicle information communication system
vid	vide (Latin: see
VIEWS	virtual environment workstation
VIM	Vendor Independent Messaging
VINES	Virtual Networking Software
VIP	VGA Improved Performance; VINES Internet Protocol
VIP	visual image processor
VIR	vertical interval reference
VIS	video information system; voice identification system
VISCA	video system control architecture
VITAL	Virtually Integrated Technical Architecture Lifecycle, Apple
VITC	vertical interval time code
VITS	vertical interval test signal
VKC	verkecrscentrale
VL bus	VESA local bus
VLF	very low frequency emission
VLM	Virtual Loadable Module
VLMF	very low magnetic field
VLP	video long play
VLS	very long shot
VLSI	vely large scale integration
VLT	video lookup table
VM	virtual machine; virtual memory
VMB	virtual machine boot
VMC	VESA media channel
VMEC	Voice Messaging Education Committee
VM/HIPO	Virtual Machine High Performance Option
VMM	Virtual Machine Manager
VMOS	Vertical MOS
VMS	Virtual Memory System; voice message system
VO	vedi originale (see copy); Voice over
VOF	Voice on Film / tape
VOGAD	voice-operated gain-adjusting device
vol.;VOL; Vol.	volume
VOM	Volt Ohm Milliammeter
VPC	Virtual Path Connection; voice processing computer
VPN	virtual private network
VQ	Victor Quantizer
VR	virtual reality
VRAM	video random access memory
VRC	vertical redundaney check
VRS	virtual retinal scanning
VRT	voice response terminal
VRU	voice response unit
VS/OS	virtual storage operating system
VSAM	virtual storage access method
VSAT	very small aperture terminals
VSDT	very small device technology
VSM	Virtual Storage Management
VSS	Virtual Storage System; Voltage for Substrate and Source
VSYNC	Vertical SYNC signal
VT	Vermont; Virtual Terminal
Vt.	Vermont
VT2	variable thermal transfer
VTAM	Virtual Telecommunication Access Method
VTP	virtual terminal program
VTR	video tape recorder / recording
VU	volume unit
VUE	visual user environment
VxDS	virtual device drivers

W

W	Watt; wire
w.	west; western
W. Va.	West Virginia
W.A.	Western Australia
w.a.f.	with all faults
w.f.	wronge font
W3	World Wide Web
W3C	World Wide Web Consortium
WA	Washington
WABI	Windows applications binary interface
WADEX	Word and Author Index
WAIS	Wide Area Information Service
WAN	wide area network
WAPI	Windows application programming interface
Wash.	Washington
WATS	Wide Area Telephone Service
WAV	Waveform audio file
WBC	wide band channel
WCP	UNIX-to-UNIX Copy Program
WD	Western Digital Corporation
WEMA	Western Electronics Manufacturers Association
WFW	Windows for workgroups
Wh	watt hour
WIMP	windows, icons, mouse and pulldown menus
WIN	wireless inner network
WIPO	World Intellectual Property Organization
Wis.	Wisconsin
WISE	World Information Systems Exchange
wiss.	Wissensehaft; wissenschaftlich
WI	Wisconsin
WLN	Washington State Library Network
WMF	Windows meta file
WMRM	write multiple, read multiple
WOM	Write Only Memory
WON	wireless outer network

WOOD	Write-Once Optical Disc
WORM	write once, read many
WOSA	Windows Open System Architecture
WP	word processing
WPG	WordPerfect Graphic format
wpm	words per minute
WPMA	Windows and Presentation Manager Association
WPOM	word processing-output microfilm
WPS	Word Processing System
WS	workstation
WSF	workstation function
WV	West Virginia; Working Voltage
WVP	wireless voice platform
WWR	write while read
WWW	World Wide Web
WXmodem	Windowed-Xmodem
WY	Wyoming
WYNIWYG	what you need is what you get
Wyo.	Wyoming
WYSIWYG	What You See Is What You Get
WYSYHYG	what you see you hope you get

X

x	see from; data transfer rate from CD-ROM equals 150KByte/scc
XA	extended architecture
XAPIA	X.400 api association
XCMD	external command
XDS	X/Open Directory Service
Xerox PARC	Xerox Palo Alto Research Center
XFCN	external function
XGA	Extended Graphics Adapter; Extended Graphics Array
XIP	execute in place
XIS	Xerox imaging system
XMIT	Transmit
XMOS	High-speed Metal Oxide Semi-conductor
XMS	Extended Memory Specification
XMT	Transmit
XNS	Xerox Network System
X-OFF	transmitter off
X-ON	transmitter on
XOR	exclusive OR
XPG	X/open portability guide
XPT	external page table
XR	external reset
XSMD	extended storage module drive interface
XT	extended technology
XT keyboard	PC/XT keyboard
XTAL	crystal
xx	see also from

Y

Y	yellow
YALSA	Young Adult Library Services Association (ALA division)
yd	yard
YMC	yellow, magenta and cyan
YMCK	yellow, magenta, cyan and black
YMD	year/month/day
Yukon	Yukon Territory
YTD	year to date
YUV	intensity, hue and value

Z

ZAB	zinc air battery
ZBB	zero-base budgeting
ZDS	Zenith Data System
Zeits.	Zeitschrift
ZIF	Zero Insertion Force
ZIF socket	Zero Insertion Force socket
ZIP	Zone Information Protocol
ZIT	Zone Information Table
ZMA	Zone Multicast Address

obeikandl.com

Appendix B

Selected Library and Information Science Listservs and Discussion Groups

There are many LISTSFRVs and discussion groups that deal with library and information science. They can often be identified by examining the home pages of various library and information science organizations.

AALLNET	American Association of Law Librarians (AALL)
ACRL-FRM	Association of College and Research Library Forum (ALA)
ALAOIF	Office of Intellectual Freedom (ALA)
ALASC-L	Student chapters of ALA
ALA-WON	ALA Washington Office Newsline
ALAWORLD	International Relations Round Table (ALA)
ALSC-L	Association for Library Service to Children (ALA)
ARCHIVES	Society of American Archivists
ARL-EJOURNAL	Association of Research Libraries (Discussion of management of electronic journals.
ARL-ERESERVE	Association of Research Libraries (Discussion of the management of electronic reserves)
ARLIS-L	Art Library Societies
ASIS-L	American Society for Information Science (ASIS)
ELMSS	American Association of Library Media Specialist (ALA)
EURSLA-l	SLA International Relations Committee (SLA)
FUBLIB	Public library issues
INFOLIT	National Forum on ~formation Literacy (ALA)
JESSE	Association for Library and Inforrnation Science Education
LITA-L	Library and Information Technology (ALA)
MARS-L	RUSA Machine Assisted Reference Section (ALA)
MFDLIB-L	Medical Library Association (MLA)
MLA-L	Music Library Association
PUBYAC	Youth services issues
SLAGR	SLA Governmental Relations (SLA)
SLMS21ST	School Library Media Specialist in the 21st Century (ALA)
YALSA-L	Young Adult Library Services Association (ALA)

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Appendix C

ASCII Character Set

Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
0	00	NUL (Null)	34	22	"	68	44	D
1	01	SOH (Start of heading)	35	23	#	69	45	E
2	02	STX (Start of text)	36	24	$	70	46	F
3	03	ETX (End of text)	37	25	%	71	47	G
4	04	EOT (End of transmission)	38	26	&	72	48	H
5	05	ENQ (Enquiry)	39	27	'	73	49	I
6	06	ACK (Acknowledge)	40	28	(	74	4A	J
7	07	BEL (Bell)	41	29	)	75	4B	K
8	08	BS (Backspace)	42	2A	*	76	4C	L
9	09	HT (Horizontal tab)	43	2B	+	77	4D	M
10	0A	LF (Linefeed)	44	2C	,	78	4E	N
11	0B	VT (Vertical tab)	45	2D	-	79	4F	O
12	0C	FF (Formfeed)	46	2E	.	80	50	P
13	0D	CR (Carriage return)	47	2F	/	81	51	Q
14	0E	SO (Shift out)	48	30	0	82	52	R
15	0F	SI (Shift in)	49	31	1	83	53	S
16	10	DLE (Data link escape)	50	32	2	84	54	T
17	11	DC1 (Device control 1)	51	33	3	85	55	U
18	12	DC2 (Device control 2)	52	34	4	86	56	V
19	13	DC3 (Device control 3)	53	35	5	87	57	W
20	14	DC4 (Device control 4)	54	36	6	88	58	X
21	15	NAK (Negative acknowledge)	55	37	7	89	59	Y
22	16	SYN (Synchronous idle)	56	38	8	90	5A	Z
23	17	ETB (End transmission block)	57	39	9	91	5B	[
24	18	CAN (Cancel)	58	3A	:	92	5C	\
25	19	EM (End of medium)	59	3B	;	93	5D	]
26	1A	SUB (Substitute)	60	3C	<	94	5E	^
27	1B	ESC (Escape)	61	3D	=	95	5F	_
28	1C	FS (File separator)	62	3E	>	96	60	`
29	1D	GS (Group separator)	63	3F	?	97	61	a
30	1E	RS (Record separator)	64	40	@	98	62	b
31	1F	US (Unit separator)	65	41	A	99	63	c
32	20	<space>	66	42	B	100	64	d
33	21	!	67	43	C	101	65	e

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Appendix C
ASCII Character Set

Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
102	66	f	110	6E	n	118	76	v	126	7E	~
103	67	g	111	6F	o	119	77	w	127	7F	DEL (Delete)
104	68	h	112	70	p	120	78	x			
105	69	i	113	71	q	121	79	y			
106	6A	j	114	72	r	122	7A	z			
107	6B	k	115	73	s	123	7B	{			
108	6C	l	116	74	t	124	7C	:			
109	6D	m	117	75	u	125	7D	}			

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Appendix D

IBM Extended Character Set

Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
128	80	Ç	156	9C	£	184	B8	╕	212	D4	╘
129	81	ü	157	9D	¥	185	B9	╣	213	D5	╒
130	82	é	158	9E	₧	186	BA	║	214	D6	╓
131	83	â	159	9F	ƒ	187	BB	╗	215	D7	╫
132	84	ä	160	A0	á	188	BC	╝	216	D8	╪
133	85	à	161	A1	í	189	BD	╜	217	D9	┘
134	86	å	162	A2	ó	190	BE	╛	218	DA	┌
135	87	ç	163	A3	ú	191	BF	┐	219	DB	█
136	88	ê	164	A4	ñ	192	C0	└	220	DC	▄
137	89	ë	165	A5	Ñ	193	C1	┴	221	DD	▌
138	8A	è	166	A6	ª	194	C2	┬	222	DE	▐
139	8B	ï	167	A7	º	195	C3	├	223	DF	▀
140	8C	î	168	A8	¿	196	C4	─	224	E0	α
141	8D	ì	169	A9	⌐	197	C5	┼	225	E1	ß
142	8E	Ä	170	AA	¬	198	C6	╞	226	E2	Γ
143	8F	Å	171	AB	½	199	C7	╟	227	E3	π
144	90	É	172	AC	¼	200	C8	╚	228	E4	Σ
145	91	æ	173	AD	¡	201	C9	╔	229	E5	σ
146	92	Æ	174	AE	«	202	CA	╩	230	E6	µ
147	93	ô	175	AF	»	203	CB	╦	231	E7	τ
148	94	ö	176	B0	░	204	CC	╠	232	E8	Φ
149	95	ò	177	B1	▒	205	CD	═	233	E9	Θ
150	96	û	178	B2	▓	206	CE	╬	234	EA	Ω
151	97	ù	179	B3	│	207	CF	╧	235	EB	δ
152	98	ÿ	180	B4	┤	208	D0	╨	236	EC	∞
153	99	Ö	181	B5	╡	209	D1	╤	237	ED	φ
154	9A	Ü	182	B6	╢	210	D2	╥	238	EE	ε
155	9B	¢	183	B7	╖	211	D3	╙	239	EF	∩

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Appendix D
IBM Extended Character Set

Dec	*Hex*	*Char*	*Dec*	*Hex*	*Char*	*Dec*	*Hex*	*Char*	*Dec*	*Hex*	*Char*
240	F0	≡	244	F4	⌠	248	F8	°	252	FC	ⁿ
241	F1	±	245	F5	⌡	249	F9	∙	253	FD	²
242	F2	≥	246	F6	÷	250	FA	·	254	FE	■
243	F3	≤	247	F7	≈	251	FB	√	255	FF	

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Appendix E

Apple Macintosh Extended Character Set

ASCII	Hex	Times	New York	Courier	Zapf Dingbats	Symbol
128	80	Ä	Ä	Ä	(	
129	81	Å	Å	Å	)	
130	82	Ç	Ç	Ç	❨	
131	83	É	É	É	❩	
132	84	Ñ	Ñ	Ñ	❪	
133	85	Ö	Ö	Ö	❫	
134	86	Ü	Ü	Ü	❬	
135	87	á	á	á	❭	
136	88	à	à	à	❮	
137	89	â	â	â	❯	
138	8A	ä	ä	ä	[	
139	8B	ã	ã	ã	]	
140	8C	å	å	å	❰	
141	8D	ç	ç	ç	❱	
142	8E	é	é	é		
143	8F	è	è	è		
144	90	ê	ê	ê		
145	91	ë	ë	ë		
146	92	í	í	í		
147	93	ì	ì	ì		
148	94	î	î	î		
149	95	ï	ï	ï		
150	96	ñ	ñ	ñ		
151	97	ó	ó	ó		
152	98	ò	ò	ò		
153	99	ô	ô	ô		
154	9A	ö	ö	ö		
155	9B	õ	õ	õ		
156	9C	ú	ú	ú		
157	9D	ù	ù	ù		
158	9E	û	û	û		
159	9F	ü	ü	ü		
160	A0	†	†	†		

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Appendix E
Apple Macintosh Extended Character Set

ASCII	Hex	Times	New York	Courier	Zapf Dingbats	Symbol
161	A1	°	°	°	❡	ϒ
162	A2	¢	¢	¢	❢	′
163	A3	£	£	£	❣	≤
164	A4	§	§	§	❤	⁄
165	A5	•	•	·	❥	∞
166	A6	¶	¶	¶	❦	ƒ
167	A7	ß	ß	ß	❧	♣
168	A8	®	®	®	♣	♦
169	A9	©	©	©	♦	♥
170	AA	™	™	™	♥	♠
171	AB	´	´	´	♠	↔
172	AC	¨	¨	¨	①	←
173	AD	≠	≠	≠	②	↑
174	AE	Æ	Æ	Æ	③	→
175	AF	Ø	Ø	Ø	④	↓
176	B0	∞	∞	∞	⑤	°
177	B1	±	±	±	⑥	±
178	B2	≤	≤	≤	⑦	″
179	B3	≥	≥	≥	⑧	≥
180	B4	¥	¥	¥	⑨	×
181	B5	μ	μ	μ	⑩	∝
182	B6	∂	∂	∂	❶	∂
183	B7	∑	∑	∑	❷	•
184	B8	∏	∏	∏	❸	÷
185	B9	π	π	π	❹	≠
186	BA	∫	∫	∫	❺	≡
187	BB	ª	ª	ª	❻	≈
188	BC	º	º	º	❼	…
189	BD	Ω	Ω	Ω	❽	⏐
190	BE	æ	æ	æ	❾	—
191	BF	ø	ø	ø	❿	↵
192	C0	¿	¿	¿	❶	ℵ
193	C1	¡	¡	¡	❷	ℑ
194	C2	¬	¬	¬	❸	ℜ
195	C3	√	√	√	❹	℘
196	C4	ƒ	ƒ	ƒ	❺	⊗
197	C5	≈	≈	≈	❻	⊕
198	C6	Δ	Δ	Δ	❼	∅
199	C7	«	«	«	❽	∩
200	C8	»	»	»	❾	∪
201	C9	…	…	…	❿	⊃
202	CA	——NBSP (nonbreaking space)——			❶	⊇
203	CB	À	À	À	❷	⊄

Appendix E
Apple Macintosh Extended Character Set

ASCII	*Hex*	*Times*	*New York*	*Courier*	*Zapf Dingbats*	*Symbol*
204	CC	Ã	Ã	Ã	❸	⊂
205	CD	Õ	Õ	Õ	❹	⊆
206	CE	Œ	Œ	Œ	❺	∈
207	CF	œ	œ	œ	❻	∉
208	D0	-	-	-	❼	∠
209	D1	—	—	—	❽	∇
210	D2	“	“	“	❾	®
211	D3	”	”	”	❿	©
212	D4	‘	‘	‘	➔	™
213	D5	’	’	’	→	∏
214	D6	÷	÷	÷	↔	√
215	D7	◊	◊	◊	↕	·
216	D8	ÿ	ÿ	ÿ	➘	¬
217	D9	Ÿ	Ÿ	Ÿ	➙	∧
218	DA	⁄	⁄	⁄	➚	∨
219	DB	¤	¤	¤	➛	⇔
220	DC	‹	‹	‹	➜	⇐
221	DD	›	›	›	➝	⇑
222	DE	fi	fi	fi	➞	⇒
223	DF	fl	fl	fl	➟	⇓
224	E0	‡	‡	‡	➠	◊
225	E1	·	·	·	➡	〈
226	E2	‚	‚	‚	➢	®
227	E3	„	„	„	➢	©
228	E4	‰	‰	‰	➤	™
229	E5	Â	Ã	Â	➥	Σ
230	E6	Ê	Ê	Ê	➦	⎛
231	E7	Á	Á	Á	➧	⎜
232	E8	Ë	Ë	Ë	➨	⎝
233	E9	È	È	È	➩	⎡
234	EA	Í	Í	Í	➪	⎢
235	EB	Î	Î	Î	➫	⎣
236	EC	Ï	Ï	Ï	➬	⎧
237	ED	Ì	Ì	Ì	➭	⎨
238	EE	Ó	Ô	Ó	➮	⎩
239	EF	Ô	Ô	Ô	➯	⎪
240	F0	Not Used				
241	F1	Ò	Ò	Ò	➱	〉
242	F2	Ú	Ú	Ú	➲	∫
243	F3	Û	Û	Û	➳	⌠
244	F4	Ù	Ù	Ù	➴	⎮
245	F5	ı	ı	ı	➵	⌡
246	F6	ˆ	ˆ	ˆ	➶	\

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Appendix E
Apple Macintosh Extended Character Set

ASCII	*Hex*	*Times*	*New York*	*Courier*	*Zapf Dingbats*	*Symbol*
247	F7	˜	˜	˜	✍	⎫
248	F8	˜	˜	˜	➽	⎭
249	F9	˘	˘	˘	✍	⎫
250	FA	˙	˙	˙	➔	⎪
251	FB	˚	˚	˚	↔	⎭
252	FC	˛	˛	˛	➽	⎫
253	FD	˝	˝	˝	➽	⎬
254	FE	˛	˛	˛	➔	⎭
255	FF	˘	˘	˘		

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Appendix F

EBCDIC Character Set

Dec	Hex	Name	Character	Meaning
0	00	NUL		Null
1	01	SOH		Start of heading
2	02	STX		Start of text
3	03	ETX		End of text
4	04	SEL		Select
5	05	HT		Horizontal tab
6	06	RNL		Required new line
7	07	DEL		Delete
8	08	GE		Graphic escape
9	09	SPS		Superscript
10	0A	RPT		Repeat
11	0B	VT		Vertical tab
12	0C	FF		Form feed
13	0D	CR		Carriage return
14	0E	SO		Shift out
15	0F	SI		Shift in
16	10	DLE		Data length escape
17	11	DC1		Device control 1
18	12	DC2		Device control 2
19	13	DC3		Device control 3
20	14	RES/ENP		Restore/enable presentation
21	15	NL		New line
22	16	BS		Backspace
23	17	POC		Program-operator communication
24	18	CAN		Cancel
25	19	EM		End of medium
26	1A	UBS		Unit backspace
27	1B	CU1		Customer use 1
28	1C	IFS		Interchange file separator
29	1D	IGS		Interchange group separator
30	1E	IRS		Interchange record separator
31	1F	IUS/ITB		Interchange unit separator/ intermediate transmission block
32	20	DS		Digit select
33	21	SOS		Start of significance
34	22	FS		Field separator
35	23	WUS		Word underscore
36	24	BYP/INP		Bypass/inhibit presentation
37	25	LF		Line feed

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Appendix F
EBCDIC Character Set

Dec	Hex	Name	Character	Meaning
38	26	ETB		End of transmission block
39	27	ESC		Escape
40	28	SA		Set attribute
41	29	SFE		Start field extended
42	2A	SM/SW		Set mode/switch
43	2B	CSP		Control sequence prefix
44	2C	MFA		Modify field attribute
45	2D	ENQ		Enquiry
46	2E	ACK		Acknowledge
47	2F	BEL		Bell
48	30			(not assigned)
49	31			(not assigned)
50	32	SYN		Synchronous idle
51	33	IR		Index return
52	34	PP		Presentation position
53	35	TRN		Transparent
54	36	NBS		Numeric backspace
55	37	EOT		End of transmission
56	38	SBS		Subscript
57	39	IT		Indent tab
58	3A	RFF		Required form feed
59	3B	CU3		Customer use 3
60	3C	DC4		Device control 4
61	3D	NAK		Negative acknowledgment
62	3E			(not assigned)
63	3F	SUB		Substitute
64	40	SP		Space
65	41	RSP		Required space
66	42			(not assigned)
67	43			(not assigned)
68	44			(not assigned)
69	45			(not assigned)
70	46			(not assigned)
71	47			(not assigned)
72	48			(not assigned)
73	49			(not assigned)
74	4A		¢	
75	4B		.	
76	4C		<	
77	4D		(	
78	4E		+	
79	4F		|	Logical OR
80	50		&	
81	51			(not assigned)
82	52			(not assigned)
83	53			(not assigned)
84	54			(not assigned)

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Appendix F
EBCDIC Character Set

Dec	*Hex*	*Name*	*Character*	*Meaning*
85	55			(not assigned)
86	56			(not assigned)
87	57			(not assigned)
88	58			(not assigned)
89	59			(not assigned)
90	5A		!	
91	5B		$	
92	5C		*	
93	5D		)	
94	5E		;	
95	5F		¬	Logical NOT
96	60		-	
97	61		/	
98	62			(not assigned)
99	63			(not assigned)
100	64			(not assigned)
101	65			(not assigned)
102	66			(not assigned)
103	67			(not assigned)
104	68			(not assigned)
105	69			(not assigned)
106	6A		¦	Broken pipe
107	6B		,	
108	6C		%	
109	6D		_	
110	6E		>	
111	6F		?	
112	70			(not assigned)
113	71			(not assigned)
114	72			(not assigned)
115	73			(not assigned)
116	74			(not assigned)
117	75			(not assigned)
118	76			(not assigned)
119	77			(not assigned)
120	78			(not assigned)
121	79		`	Grave accent
122	7A		:	
123	7B		#	
124	7C		@	
125	7D		'	
126	7E		=	
127	7F		"	
128	80			(not assigned)
129	81		a	
130	82		b	
131	83		c	

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Appendix F
EBCDIC Character Set

Dec	*Hex*	*Name*	*Character*	*Meaning*
132	84		d	
133	85		e	
134	86		f	
135	87		g	
136	88		h	
137	89		i	
138	8A			(not assigned)
139	8B			(not assigned)
140	8C			(not assigned)
141	8D			(not assigned)
142	8E			(not assigned)
143	8F			(not assigned)
144	90			(not assigned)
145	91		j	
146	92		k	
147	93		l	
148	94		m	
149	95		n	
150	96		o	
151	97		p	
152	98		q	
153	99		r	
154	9A			(not assigned)
155	9B			(not assigned)
156	9C			(not assigned)
157	9D			(not assigned)
158	9E			(not assigned)
159	9F			(not assigned)
160	A0			(not assigned)
161	A1		~	
162	A2		s	
163	A3		t	
164	A4		u	
165	A5		v	
166	A6		w	
167	A7		x	
168	A8		y	
169	A9		z	
170	AA			(not assigned)
171	AB			(not assigned)
172	AC			(not assigned)
173	AD			(not assigned)
174	AE			(not assigned)
175	AF			(not assigned)
176	B0			(not assigned)
177	B1			(not assigned)
178	B2			(not assigned)

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Appendix F
EBCDIC Character Set

Dec	*Hex*	*Name*	*Character*	*Meaning*
179	B3			(not assigned)
180	B4			(not assigned)
181	B5			(not assigned)
182	B6			(not assigned)
183	B7			(not assigned)
184	B8			(not assigned)
185	B9			(not assigned)
186	BA			(not assigned)
187	BB			(not assigned)
188	BC			(not assigned)
189	BD			(not assigned)
190	BE			(not assigned)
191	BF			(not assigned)
192	C0		{	Opening brace
193	C1		A	
194	C2		B	
195	C3		C	
196	C4		D	
197	C5		E	
198	C6		F	
199	C7		G	
200	C8		H	
201	C9		I	
202	CA	SHY		Syllable hyphen
203	CB			(not assigned)
204	CC			(not assigned)
205	CD			(not assigned)
206	CE			(not assigned)
207	CF			(not assigned)
208	D0		}	Closing brace
209	D1		J	
210	D2		K	
211	D3		L	
212	D4		M	
213	D5		N	
214	D6		O	
215	D7		P	
216	D8		Q	
217	D9		R	
218	DA			(not assigned)
219	DB			(not assigned)
220	DC			(not assigned)
221	DD			(not assigned)
222	DE			(not assigned)
223	DF			(not assigned)
224	E0			Reverse slash
225	E1	NSP		Numeric space

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Appendix F
EBCDIC Character Set

Dec	*Hex*	*Name*	*Character*	*Meaning*
226	E2		S	
227	E3		T	
228	E4		U	
229	E5		V	
230	E6		W	
231	E7		X	
232	E8		Y	
233	E9		Z	
234	EA			(not assigned)
235	EB			(not assigned)
236	EC			(not assigned)
237	ED			(not assigned)
238	EE			(not assigned)
239	EF			(not assigned)
240	F0		0	
241	F1		1	
242	F2		2	
243	F3		3	
244	F4		4	
245	F5		5	
246	F6		6	
247	F7		7	
248	F8		8	
249	F9		9	
250	FA			(not assigned)
251	FB			(not assigned)
252	FC			(not assigned)
253	FD			(not assigned)
254	FE			(not assigned)
255	FF	EO		Eight ones

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Appendix G
Numeric Equivalents

Decimal (Base 10)	*Hexadecimal (Base 16)*	*Octal (Base 8)*	*Binary (Base 2)*
1	01	01	00000001
2	02	02	00000010
3	03	03	00000011
4	04	04	00000100
5	05	05	00000101
6	06	06	00000110
7	07	07	00000111
8	08	10	00001000
9	09	11	00001001
10	0A	12	00001010
11	0B	13	00001011
12	0C	14	00001100
13	0D	15	00001101
14	0E	16	00001110
15	0F	17	00001111
16	10	20	00010000
17	11	21	00010001
18	12	22	00010010
19	13	23	00010011
20	14	24	00010100
21	15	25	00010101
22	16	26	00010110
23	17	27	00010111
24	18	30	00011000
25	19	31	00011001
26	1A	32	00011010
27	1B	33	00011011
28	1C	34	00011100
29	1D	35	00011101
30	1E	36	00011110
31	1F	37	00011111
32	20	40	00100000
33	21	41	00100001
34	22	42	00100010
35	23	43	00100011
36	24	44	00100100
37	25	45	00100101

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Appendix G
Numeric Equivalents

Decimal (Base 10)	*Hexadecimal (Base 16)*	*Octal (Base 8)*	*Binary (Base 2)*
38	26	46	00100110
39	27	47	00100111
40	28	50	00101000
41	29	51	00101001
42	2A	52	00101010
43	2B	53	00101011
44	2C	54	00101100
45	2D	55	00101101
46	2E	56	00101110
47	2F	57	00101111
48	30	60	00110000
49	31	61	00110001
50	32	62	00110010
51	33	63	00110011
52	34	64	00110100
53	35	65	00110101
54	36	66	00110110
55	37	67	00110111
56	38	70	00111000
57	39	71	00111001
58	3A	72	00111010
59	3B	73	00111011
60	3C	74	00111100
61	3D	75	00111101
62	3E	76	00111110
63	3F	77	00111111
64	40	100	01000000
65	41	101	01000001
66	42	102	01000010
67	43	103	01000011
68	44	104	01000100
69	45	105	01000101
70	46	106	01000110
71	47	107	01000111
72	48	110	01001000
73	49	111	01001001
74	4A	112	01001010
75	4B	113	01001011
76	4C	114	01001100
77	4D	115	01001101
78	4E	116	01001110
79	4F	117	01001111
80	50	120	01010000
81	51	121	01010001
82	52	122	01010010

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Numeric Equivalents

Decimal (Base 10)	*Hexadecimal (Base 16)*	*Octal (Base 8)*	*Binary (Base 2)*
83	53	123	01010011
84	54	124	01010100
85	55	125	01010101
86	56	126	01010110
87	57	127	01010111
88	58	130	01011000
89	59	131	01011001
90	5A	132	01011010
91	5B	133	01011011
92	5C	134	01011100
93	5D	135	01011101
94	5E	136	01011110
95	5F	137	01011111
96	60	140	01100000
97	61	141	01100001
98	62	142	01100010
99	63	143	01100011
100	64	144	01100100
101	65	145	01100101
102	66	146	01100110
103	67	147	01100111
104	68	150	01101000
105	69	151	01101001
106	6A	152	01101010
107	6B	153	01101011
108	6C	154	01101100
109	6D	155	01101101
110	6E	156	01101110
111	6F	157	01101111
112	70	160	01110000
113	71	161	01110001
114	72	162	01110010
115	73	163	01110011
116	74	164	01110100
117	75	165	01110101
118	76	166	01110110
119	77	167	01110111
120	78	170	01111000
121	79	171	01111001
122	7A	172	01111010
123	7B	173	01111011
124	7C	174	01111100
125	7D	175	01111101
126	7E	176	01111110
127	7F	177	01111111

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Numeric Equivalents

Decimal (Base 10)	***Hexadecimal (Base 16)***	***Octal (Base 8)***	***Binary (Base 2)***
128	80	200	10000000
129	81	201	10000001
130	82	202	10000010
131	83	203	10000011
132	84	204	10000100
133	85	205	10000101
134	86	206	10000110
135	87	207	10000111
136	88	210	10001000
137	89	211	10001001
138	8A	212	10001010
139	8B	213	10001011
140	8C	214	10001100
141	8D	215	10001101
142	8E	216	10001110
143	8F	217	10001111
144	90	220	10010000
145	91	221	10010001
146	92	222	10010010
147	93	223	10010011
148	94	224	10010100
149	95	225	10010101
150	96	226	10010110
151	97	227	10010111
152	98	230	10011000
153	99	231	10011001
154	9A	232	10011010
155	9B	233	10011011
156	9C	234	10011100
157	9D	235	10011101
158	9E	236	10011110
159	9F	237	10011111
160	A0	240	10100000
161	A1	241	10100001
162	A2	242	10100010
163	A3	243	10100011
164	A4	244	10100100
165	A5	245	10100101
166	A6	246	10100110
167	A7	247	10100111
168	A8	250	10101000
169	A9	251	10101001
170	AA	252	10101010
171	AB	253	10101011
172	AC	254	10101100

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Numeric Equivalents

Decimal (Base 10)	*Hexadecimal (Base 16)*	*Octal (Base 8)*	*Binary (Base 2)*
173	AD	255	10101101
174	AE	256	10101110
175	AF	257	10101111
176	B0	260	10110000
177	B1	261	10110001
178	B2	262	10110010
179	B3	263	10110011
180	B4	264	10110100
181	B5	265	10110101
182	B6	266	10110110
183	B7	267	10110111
184	B8	270	10111000
185	B9	271	10111001
186	BA	272	10111010
187	BB	273	10111011
188	BC	274	10111100
189	BD	275	10111101
190	BE	276	10111110
191	BF	277	10111111
192	C0	300	11000000
193	C1	301	11000001
194	C2	302	11000010
195	C3	303	11000011
196	C4	304	11000100
197	C5	305	11000101
198	C6	306	11000110
199	C7	307	11000111
200	C8	310	11001000
201	C9	311	11001001
202	CA	312	11001010
203	CB	313	11001011
204	CC	314	11001100
205	CD	315	11001101
206	CE	316	11001110
207	CF	317	11001111
208	D0	320	11010000
209	D1	321	11010001
210	D2	322	11010010
211	D3	323	11010011
212	D4	324	11010100
213	D5	325	11010101
214	D6	326	11010110
215	D7	327	11010111
216	D8	330	11011000
217	D9	331	11011001

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Numeric Equivalents

Decimal (Base 10)	*Hexadecimal (Base 16)*	*Octal (Base 8)*	*Binary (Base 2)*
218	DA	332	11011010
219	DB	333	11011011
220	DC	334	11011100
221	DD	335	11011101
222	DE	336	11011110
223	DF	337	11011111
224	E0	340	11100000
225	E1	341	11100001
226	E2	342	11100010
227	E3	343	11100011
228	E4	344	11100100
229	E5	345	11100101
230	E6	346	11100110
231	E7	347	11100111
232	E8	350	11101000
233	E9	351	11101001
234	EA	352	11101010
235	EB	353	11101011
236	EC	354	11101100
237	ED	355	11101101
238	EE	356	11101110
239	EF	357	11101111
240	F0	360	11110000
241	F1	361	11110001
242	F2	362	11110010
243	F3	363	11110011
244	F4	364	11110100
245	F5	365	11110101
246	F6	366	11110110
247	F7	367	11110111
248	F8	370	11111000
249	F9	371	11111001
250	FA	372	11111010
251	FB	373	11111011
252	FC	374	11111100
253	FD	375	11111101
254	FE	376	11111110
255	FF	377	11111111

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