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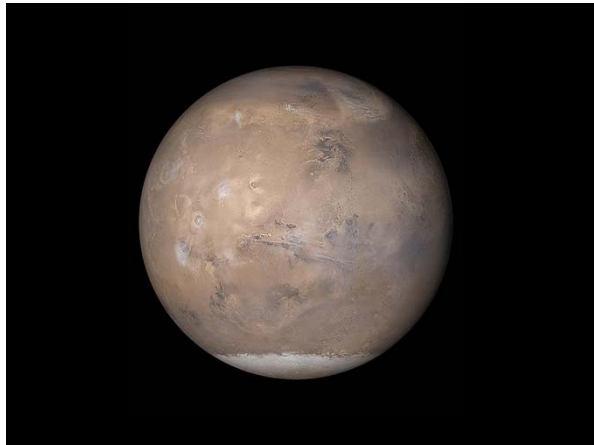
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FOUND IT! ICE ON MARS

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FOUND IT! ICE ON MARS

INSTRUMENTS ON BOARD NASA'S MARS ODYSSEY SPACECRAFT HAVE REVEALED MORE UNDERGROUND ICE ON THE RED PLANET THAN SCIENTISTS EXPECTED.



Listen to this story via [streaming audio](#), a [downloadable file](#), or [get help](#).

**May 28, 2002:** Using instruments on NASA's 2001 Mars Odyssey spacecraft, surprised scientists have found enormous quantities of buried treasure lying just under the surface of Mars -- enough water ice to fill Lake Michigan twice over. And that may be only the tip of the iceberg.

"This is really amazing," says William Boynton of the University of Arizona. "This is the best direct evidence we have of subsurface water ice on Mars." Indeed, he added, "what we have found is much more ice than we ever expected."

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2001: CanLII is founded



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“ISN'T IT AMAZING  
THAT WE FOUND ICE  
ON MARS!”

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“ISN'T IT AMAZING  
THAT WE CAN GET  
CASE LAW FOR  
FREE ON THE  
INTERNET?”

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### RADICAL! LIQUID WATER ON ENCELADUS

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**March 9, 2006:** NASA's Cassini spacecraft may have found evidence of liquid water reservoirs that erupt in Yellowstone-like geysers on Saturn's moon Enceladus. The rare occurrence of liquid water so near the surface raises many new questions about this mysterious moon.

"We realize that this is a radical conclusion -- that we may have evidence for liquid water within a body so small and so cold," said Carolyn Porco, Cassini imaging team leader at the Space Science Institute, Boulder, Colo. "However, if we are right, we have significantly broadened the diversity of solar system environments where we might possibly have conditions suitable for living organisms."

**Right:** Icy fountains shoot out of Saturn's moon Enceladus. [More -->](#)

High-resolution Cassini images show icy jets and towering plumes ejecting huge quantities of particles at high speed. Scientists examined several models to explain the process. They ruled out the idea the particles are produced or blown off the moon's surface by vapor created when warm water ice converts to a gas. Instead, scientists have found evidence for a much more exciting possibility. The jets might be erupting from near-surface pockets of liquid water above 0 degrees Celsius (32 degrees Fahrenheit), like cold versions of the Old Faithful geyser in Yellowstone. [Illustration -->](#)

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## 2005: CanLII launches the Reflex Citator

**Referred to:** *Chalmers (Dr. Everett) Hospital v. Mills* (1989), 102 N.B.R. (2d) 1; *Engle v. Indian Head School Division No. 19*, 1990 CanLII 138 (SCC); [1995] 1 S.C.R. 655; *Alberta Union of Provincial Employees v. Lethbridge Community College*, [2004] 1 S.C.R. 327, 2004 SCC 28 (CanLII); *Crevier v. Attorney General of Quebec*, 1981 CanLII 30 (SCC); [1981] 2 S.C.R. 220; *Dr. Q v. College of Physicians and Surgeons of British Columbia*, [2003] 1 S.C.R. 226, 2003 SCC 19 (CanLII); *Excavators of the Woodward Estate v. Minister of Finance*, 1972 CanLII 139 (SCC); [1973] S.C.R. 120; *U.E.W. Local 298 v. Bhambhani*, 1988 CanLII 30 (SCC); [1988] 2 S.C.R. 1048; *Baker v. Canada (Minister of Citizenship and Immigration)*, 1999 CanLII 609 (SCC); [1999] 2 S.C.R. 817; *Sirois v. Canada (Minister of Citizenship and Immigration)*, [2002] 1 S.C.R. 3, 2002 SCC 1 (CanLII); *Mount Sinai Hospital Center v. Quebec (Minister of Health and Social Services)*, [2001] 2 S.C.R. 281, 2001 SCC 41 (CanLII); *C.U.P.E. v. Ontario (Minister of Labour)*, [2003] 1 S.C.R. 539, 2003 SCC 20 (CanLII); *Chambliss v. Surrey School District No. 36*, [2002] 4 S.C.R. 710, 2002 SCC 86 (CanLII); *Canadian Union of Public Employees Local 968 v. New Brunswick Liquor Corp.*, 1979 CanLII 23 (SCC); [1979] 2 S.C.R. 227; *Canada (Director of Investigation and Research) v. Sault Ste. Marie*, 1997 CanLII 185 (SCC); [1997] 1 S.C.R. 78; *Prud'homme v. Canada (Minister of Citizenship and Immigration)*, 1998 CanLII 179 (SCC); [1998] 1 S.C.R. 962; *Toronto (City) v. C.U.P.E. Local 79*, [2003] 1 S.C.R. 77, 2003 SCC 61 (CanLII); *Law Society of New Brunswick v. Ryan*, [2003] 1 S.C.R. 247, 2003 SCC 20 (CanLII); *Council of Canadians with Disabilities v. The Bell Canada Inc.*, [2007] 1 S.C.R. 650, 2007 SCC 15 (CanLII); *Pine Construction Ltd. v. Construction de General Winters' Union, Local 92*, [2004] 1 S.C.R. 600, 2004 SCC 23 (CanLII); *Canada (Attorney General) v. Mossop*, 1993 CanLII 164 (SCC); [1993] 1 S.C.R. 554; *Canadian Broadcasting Corp. v. Canada (Labour Relations Board)*, 1995 CanLII 148 (SCC); [1995] 1 S.C.R. 157; *Breton (City) Board of Education v. O.S.S.T.F. District 13*, 1997 CanLII 175 (SCC); [1997] 1 S.C.R. 487; *McLeod v. Egan*, 1974 CanLII 12 (SCC); [1974] 1 S.C.R. 437; *Cartwright Business Corp. (Re)*, [2004] 1 S.C.R. 472, 2004 SCC 20 (CanLII); *Blattwerk Energy Inc. v. Canada (Natural Energy Board)*, 1998 CanLII 813 (SCC); [1998] 1 S.C.R. 322; *New Scotia (Workers' Compensation Board) v. Martin*, [2003] 2 S.C.R. 504, 2003 SCC 54 (CanLII); *United Taxi Drivers' Fellowship of Southern Alberta v. Calgary (City)*, [2004] 1 S.C.R. 485, 2004 SCC 19 (CanLII); *Ragna Police Assn. Inc. v. Regina (City) Board of Police Commissioners*, [2000] 1 S.C.R. 360, 2000 SCC 14 (CanLII); *Quebec (Commission des droits de la personne et des droits de la jeunesse) v. Quebec (Attorney General)*, [2004] 2 S.C.R. 185, 2004 SCC 39 (CanLII); *Canada Safeway Ltd. v. RPDSEI, Local 434*, 1998 CanLII 700 (SCC); [1998] 1 S.C.R. 1076; *Moravcsik v. New Brunswick (Judicial Council)*, [2002] 1 S.C.R. 240, 2002 SCC 11 (CanLII); *Ridge v. Balmain*, [1963] 2 All.E.R. 66; *Nicholson v. Haldimand-Norfolk Regional Board of Commissioners of Police*, 1978 CanLII 24 (SCC); [1978] 1 S.C.R. 311; *Martinez v. Manque Institution Disciplinary Board*, 1979 CanLII 184 (SCC); [1980] 1 S.C.R. 602; *Kane v. Board of Governors of the University of British Columbia*, 1980 CanLII 10 (SCC); [1980] 1 S.C.R. 1105; *Attorney General of Canada v. Jean Siquin of Canada*, 1980 CanLII 21 (SCC); [1980] 2 S.C.R. 755; *Cardinal v. Director of Kew Intermediate*, 1985 CanLII 23 (SCC); [1985] 1 S.C.R. 643; *Regina v. O'Brien (Therapist)*, [2004] 3 S.C.R. 343, 2004 SCC 70 (CanLII); *Gismond v. Toronto (City)*, [2003] 2003 CanLII 52143 (ON CA), 64 O.R. (3d) 688; *Selva v. Health Sciences Centre*, [2003] 160 Man. R. (2d) 41, 2003 MBCA 151 (CanLII); *Brown v. Saskatchewan Dietetics Board*, [2003] 2003 D.L.R. (4th) 35, 2003 SCCA 18 (CanLII); *Horne v. Teesem*, [1998] 1998 CanLII 7128 (ON CA), 111 O.A.C. 91; *Gervais v. Sachville (Tennis)*, [1992] 1992 CanLII 2435 (NB CA), 124 N.B.R. (2d) 70; *Mallach v. Aberdeen Corp.*, [1971] 2 All.E.R. 1278; *Hughes v. Moncton (City)*, [1990] 1990 CanLII 6545 (NB QB), 111 N.B.R. (2d) 184, aff'd (1991), 1991 CanLII 4225 (NB CA), 118 N.B.R. (2d) 196; *Rosen v. Saskatchewan Dietetics Board*, [2000] 1 W.W.R. 606, 2000 SCCB 40 (CanLII); *Pélo v. Société d'Éducation*, 1989 CanLII 657 (SCC); [1989] 3 S.C.R. 199; *School District No. 3 (Southeast Kootenay) and B.C.T.F. (Teachers' Union) (Re)*, [2000] 94 L.A.C. (4th) 56; *Hallace v. United Grain Growers Ltd.*, 1997 CanLII 332 (SCC); [1997] 1 S.C.R. 701.

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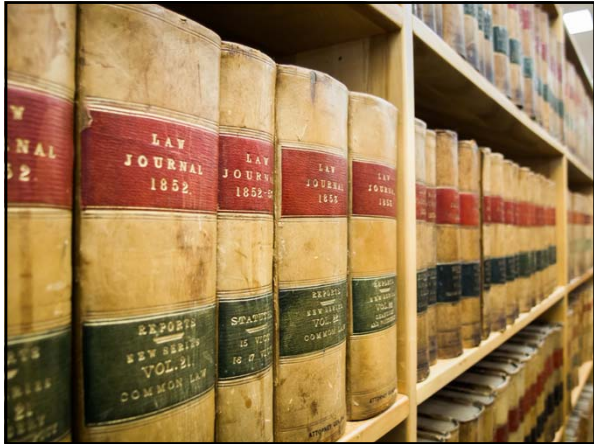
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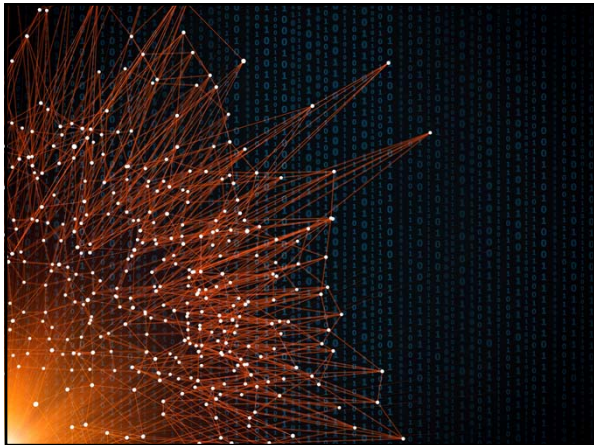
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Heating “the CanLII water” is not trivial!

- **We know** about the energy and skill it takes to “heat that water”.
- **We know** that adding more and more cases makes a significant difference to users.
- **We know** that we improved the user experience over the years.
- **We know** that more and more people rely on CanLII alone for primary law.

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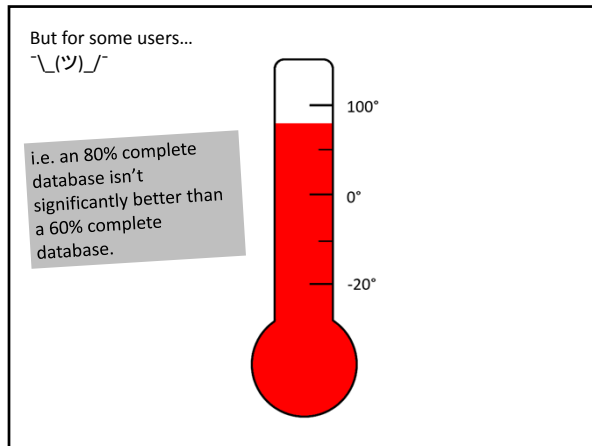
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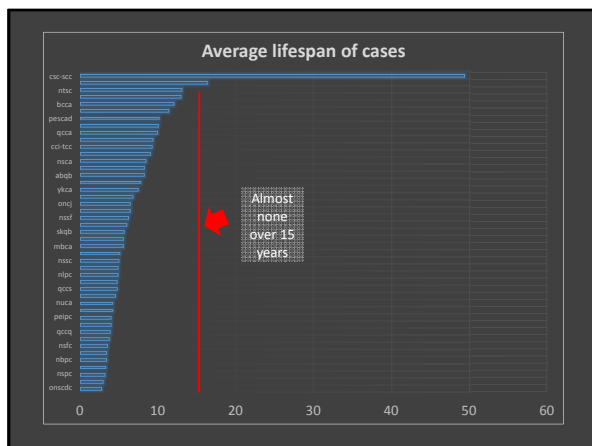
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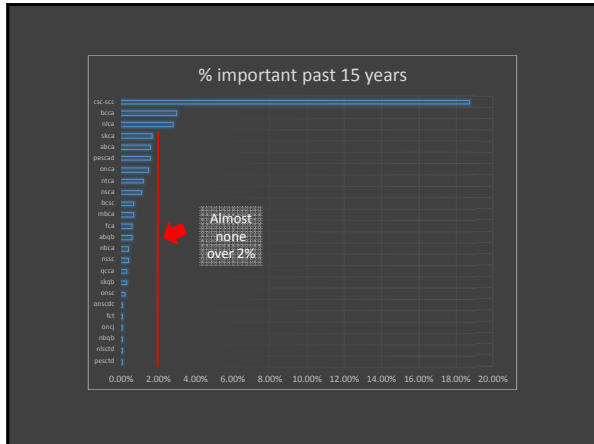
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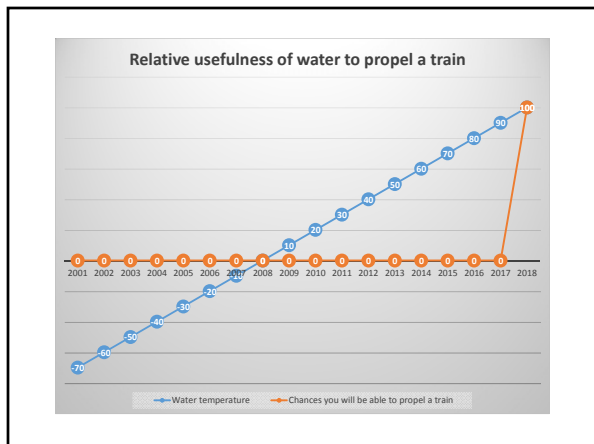
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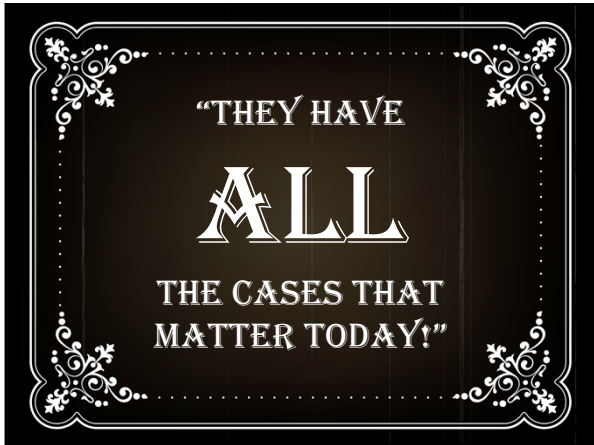
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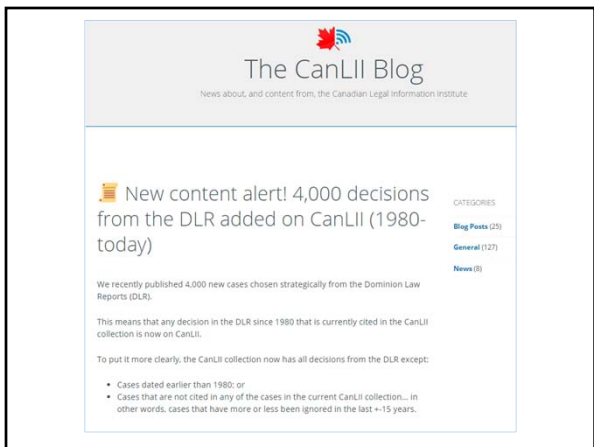
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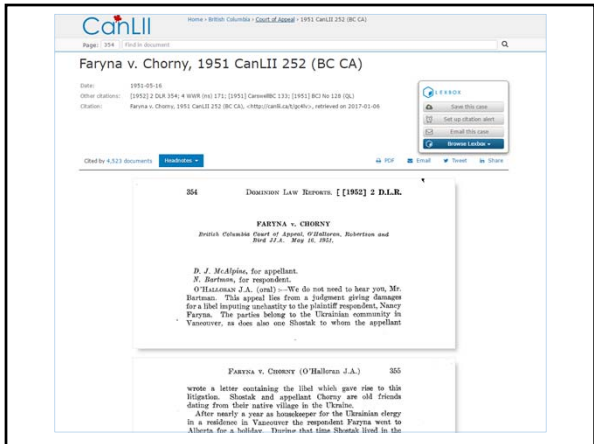
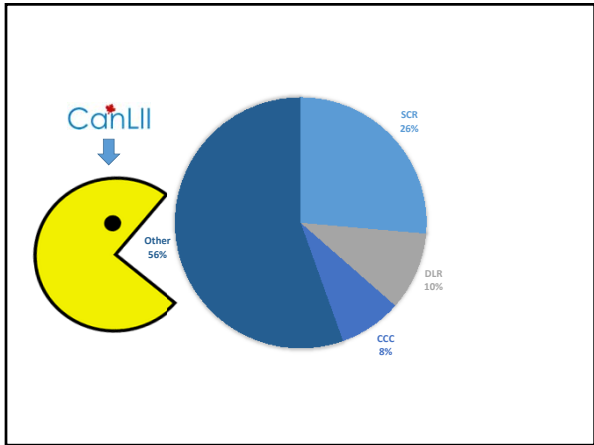
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## State of matter

From Wikipedia, the free encyclopedia

*Not to be confused with [Phase \(matter\)](#).*

In [physics](#), a **state of matter** is one of the distinct forms that [matter](#) takes on. Four states of matter are observable in everyday life: [solid](#), [liquid](#), [gas](#), and [plasma](#). Many other states are known to exist only in extreme situations, such as [Bose–Einstein condensates](#), [neutron-degenerate matter](#) and [quark-gluon plasma](#), which occur in situations of extreme cold, extreme density and extremely high-energy [color-charged matter](#) respectively. Some other states are believed to be possible but remain theoretical for now. For a complete list of all exotic states of matter, see the [list of states of matter](#).

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## Secondary Materials

Our value proposition to individual authors:

- Circumvent (simpler)
- More exposure (not hidden behind paywall)
- Linked to cases in CanLII collection and part of the greater "web" of open legal information available on CanLII
- Not asking of assignment of rights
- Strength / credibility of CanLII brand
- Available to the public



Content from academia

Content under control of law societies

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