

3. aerodynamics, ballistics, biometrics, communications, demographics, dynamics, economics, electronics, eugenics, genetics, gymnastics, logistics, mechanics, metaphysics, obstetrics, paediatrics, phonetics, (quantum) physics, thermodynamics,

heroics, hysterics

4.

Acoustics

Excellent acoustics is excellent acoustics. "Acoustics is a science and an art," he said, "but it's also guesswork. It has been demonstrated that nonlinear acoustics is more sensitive for detecting micro-cracks. Acoustics is an important factor in mosque prayer halls. Pet Acoustics is one such application: "Pet Acoustics music has been specifically designed for the hearing sensitivities of your pet, both in frequency, volume and rhythm to calm and soothe your pet anytime, anywhere". Third, passive acoustics is highly amenable to automated data collection and processing, so large amounts of data can readily be analysed.

If the room acoustics is neglected and does not meet the current acoustic standards, this has often enormous impact on the discomfort, cognitive function, absenteeism, satisfaction, the physical well-being as well as the emotional well-being of the occupants. (??)

Aerobics

With the help of health-conscious film stars aerobics was born.

Aesthetics

The aesthetics of the home reflect those developments, while betraying a certain hankering after the past. What are the aesthetics of the car? The aesthetics of the place are not its strong suit – it's generically homey, with exposed-brick walls and tediously genial framed prints. "The aesthetics of the music are changing," said Shalini Ayyagari, an ethnomusicologist and professor of South Asian music at American University in Washington. The aesthetics of the subject, which any mathematician will tell you are the driving force behind his passion, are not obvious to the senses in the way that those of a painting, a symphony or a play are. Again, the aesthetics of the keyboard are wonderful. The aesthetics of the physical space also were identified as contributing to quality care.

≠ Under communism, aesthetics were considered a superficial, bourgeois invention.

Athletics

In 393AD the Emperor Theodosius banned the Olympic games, so athletics was an early victim of Christian moralism.

Cybernetics

Demographics

St. Petersburg's demographics aren't too sunny – a third of the city's 4.7 million people are of retirement age. The demographics of the area have changed, with Latinos outnumbering African Americans.

(Group) dynamics

Economics

Economics is just too complicated to understand. Her economics is largely self-taught. How does the economics of the business fit into your investment approach? Microeconomics is about money you don't have, and macroeconomics is about money the government is out of. (P. J. O'Rourke) Economics is like a cheap red wine – too much of it makes you dizzy.

The economics of piping such large amounts of oil direct to China make the project viable. The economics of daily life are mapped out closely – e.g. a penny bought enough gin to get drunk on. Critics said that president Nyerere's economics were no good. The World Bank and the International Monetary Fund like to hold up Uganda as their model of achievement, where the politics are democratic and the economics are conservative.

~ Economics is only a small part of the problem of homelessness.

Electronics

Ethics

{Ethics is not the name of the game. Profit is. Ethics takes the forefront only if it is more profitable to be ethical.}
Ethics is important.

In the workplace ethics are often the instrument of hypocrisy that hold the employee to standards to which the employer is immune. Corporate ethics are often the preachments of pretenders and Pharisees. Ethics are only a game for those people.

America is a nation shaped by the Protestant work ethic. So the training inculcates an ethic of perfectionism. I belong to a social structure that enforces an ethic of giving. I know what an ethic of customer service is, and it isn't this. As Max Weber put it in "Politics as a Vocation", in governing, there is a difference between an "ethic of responsibility", resisting aggression, and an "ethic of ultimate ends", which uses power, especially violence, to attain a political goal. Above all, Virgos are said to have an ethic of utility to society imprinted in their DNA. Impersonality and objectivity are part of the ethic of journalistic identity. On its own, the ethic of responsibility can become a devotion to technically correct procedure, while the ethic of ultimate ends can become fanaticism. Violence was viewed as incompatible with the ethic of the Kingdom of God.

Eugenics

The political implication of this fascist eugenics is clearly that society should be reorganized into small breeding isolates in which genetically superior males could emerge into dominance.

Genetics

Genetics has its limits for him, though. Genetics has a blighted past with regards to race. Genetics has a part to play as well. Genetics has nothing to do with the views I endorse. Genetics has made huge strides in understanding the basis of many physical characteristics, like extra toes and fingers. Human genetics has a

notorious history of jumping to extravagant conclusions from scant data. By and large, genetics has hewed to [= sich halten an] a modified Darwinian line. Genetics has come to dominate much of the life sciences.

Hermeneutics [= wissenschaftliche Methode der Interpretation, der Auslegung, des Verstehens]

Hermeneutics springs to the defence of meaning.

Genetics

The truth is that genetics has robbed me of hair. (??)

Genomics

Genomics is operationally defined as investigations into the structure and function of very large numbers of genes undertaken in a simultaneous fashion. Structural genomics is a new and rapidly developing field in biology. Genomics is opening a whole new way to create medicines. Genomics, or the study of the function and structure of genomes, represents a novel approach to examining human development.

For economically important crops functional genomics are used for the development of new pesticides. This is one of the first times that genomics have been applied to a complex genetic trait.

Gymnastics

Does gymnastics have a problem with too much emphasis on weight?

Hydraulics

Hydrostatics

Hydrostatics is the science of how solid bodies behave in liquids.

Informatics

Today informatics is pushing us to link our health care systems together to share information. Medical informatics is the application of computers, communication and information technology and systems, to all fields of medicine.

Linguistics

Before Chomsky showed up in the 1950s, linguistics was concerned mostly with how languages evolve over time. Chomskyan linguistics has dominated the field. I wanted to find out what linguistics was all about. Linguistics provides terms that describe the process of communication.

~ Before Saussure, linguistics mostly busied themselves debating points on the history, development and interrelationships of modern languages.

Logistics

By coordinating all resources, logistics have to ensure that service level agreements with customers are honoured. Logistics have come a long way since Napoleon's days, but an army still marches on its proverbial stomach. The logistics have yet to be worked out. The logistics of this operation aren't all military. The logistics of any jail are affected by a fresh influx of detainees.

Mathematics

Mathematics itself was supposed to be the primary example of formal systems. Our mathematics doesn't work without zero. To appreciate Gödel's "incompleteness theorem", it is crucial to understand how mathematics was perceived at the time. I wouldn't learn maths - I know it is useful but sometimes it is really hard and I don't enjoy it, so I wouldn't study it! Some have found convincing students that mathematics is useful for their future endeavors increased the interest of students only if they had high expectancies for success; those who expected to do poorly lost interest. Everyone knows that mathematics plays a vital role in our lives.

Some recreational mathematics are pure fun. The problem is that their mathematics are highly questionable. There are several ways to implement basic population models which can be classified as to whether their mathematics are based on algebra or calculus. I graduated with a Ph.D. in Mechanical Engineering in 1988 and quickly entered management; therefore my mathematics have not been extensively exercised for many years. Your mathematics have failed you this time. She read well, spoke well, and her mathematics were good.

~ They read no books but cards, all their mathematics is to truly understand the odds of a bet. Applied mathematics are highly diverse. The book is a collection of examples where mathematics are used to solve real problems. {Carl Friedrich Gauss was in correspondence with the mathematician Sophie Germain, whom he admired very much. He was impressed that for her, mathematics were important enough to go through the difficulties a woman had just to be able to study them.} He had long forgotten what he had learned in school: his maths was atrocious, and once he asked me how to write $\frac{3}{4}$. Mathematics are to me only a concept: I never needed a logarithm in my life. (G. B. Shaw) Is anyone really going to fire hundreds of nuclear weapons, even if the math indicates that one side or the other has "superiority"? My maths has gotten a little better over the years.

Mechanics

Quantum mechanics is the science of how subatomic particles travel, orbit and leap.

{Since light is energy given off by matter, its propagation must ultimately trace to the release of energy at the atomic level. The mechanics of this are still debated.} The mechanics of the making of the world were all in evidence when you looked at the volcano.

Physics

Physics has always interested me. Physics teaches that action of force or reception of energy causes motion. High school physics teaches that photons have no mass, but Jonathan Simon, assistant professor of physics, thinks he can make materials out of them – materials, that is, out of light. Quantum physics diminishes the conventional concept of time. Modern physics has shown reality to be constructed out of open fields and probabilities.

Correct me if my physics are wrong. My physics are rudimentary at best. I think that you are a great teacher – thanks to you, my physics have really improved.

Phonetics

Phonetics specifies which combinations of sounds can be used to make words or syllables.

The phonetics of the first human languages were limited by the anatomy of the primitive human vocal tract.

Polemics

The sharpest polemics have been sparked by the government's refusal to implement safeguards recommended by its own law reform advisers.

Politics

1.1. Politics is not always an honourable profession. If you say politics is so dirty you don't want anything to do with it. Politics attracts a lot of people who want power for its own sake. A consummate politician, Tip O'Neill, once said that all politics is local. In the same way that all politics is local, Henry Ford knew that business had to be local. Global politics is being reconfigured along cultural lines. US politics is a dynastic business. Geopolitics doesn't care about ordinary people. Politics is also a matter of ambition. Politics is a marathon, not a sprint. (Ken Livingstone) Politics is a very complex business. Politics, like nature, abhors a vacuum.

1.2. Australian politics are in a sorry state at present. His radical far-left politics have drifted ever farther from the mainstream. The World Bank and the International Monetary Fund like to hold up Uganda as their model of achievement, where the politics are democratic and the economics are conservative. His own politics were, on the whole, mildly conservative. Politics bore me. {Lady Chiltern: But I am very much interested in politics, Lady Markby. I love to hear Robert talk about them.} (O. Wilde) {Mrs Cheveley: Politics are my only pleasure. [...] I prefer politics. I think they are more ... becoming.} (O. Wilde) The politics of Chancellor Schröder include a firm commitment to modernize and mobilize Germany and its work force. Our party offers a real alternative to the stale and corrupt politics that have marked life here for so long.

It is disappointing to see how the politics of denial are brought to bear on environmental problems.

1.3. More open politics is likely to mean more Islamic politics in the Middle East. Politics among young people in the Western world are far from dead. Politics are in a sad way, everywhere, I am told; they certainly are in England. (O. Wilde) Politics, he maintained, was the curse of the modern age, as religion was of ages past.

Pyrotechnics

Im Singular bezeichnet diese Nomen die Feuerwerkerei:

Im Plural wird es im übertragenen Sinn gebraucht im Sinn von "brillante Leistung":

Semantics

Semiotics

Semiotics is a branch of structuralism. Semiotics studies the systems, akin to language, in which signs assume meaning.

Statistics

Thermodynamics

Thermodynamics is the study of relationships between heat ("thermo") and work of motion ("dynamics").

Nicht jedes Nomen auf "-ics" ist eine Wissenschaft. Es kann sich auch einfach um den Plural eines Nomens auf "-ic" handeln:

Rooms have warm Arabic touches – lamps, rich drapes and ceramics. They have art nights where their friends come over and get creative by working on paintings and ceramics. The show features various busts of Akhenaten and Nefertiti, blue-painted ceramics, glass jewellery, Egyptian faience, and artefacts in metal and leather. This gorgeous exhibition presents more than 200 exquisitely elegant works, including books, glassware, metal pieces, ceramics, jewelry and furniture. A surprise is a porcelain bowl painted by Jackson Pollock in 1939, when he was hospitalised for depression and hoping that ceramics would prove therapeutic. It is no surprise that new materials (such as engineering plastics, super-strength ceramics or carbon fibre) generally take 30 years to go from invention to commercial use.

The dynamics of conversation lie beyond any universal grammar.

There are many reasons the White House may have heeded China's clear desire for a visit free of the polemics that often accompany meetings between leaders of the two countries. Calvin actively participated in the polemics that were exchanged between the Lutheran and Reformed branches of the Reformation movement. And how can we find a new articulation of the idea of Europe that takes into account all of the polemics that Europe is now facing, namely that in many countries the idea of a homogeneous Europe is not very popular.

Es gibt aber auch Nomen auf "-ics", die keine Singular-Formen kennen und auch keine Wissenschaften sind:

On November 24th, to a flurry of fireworks and aerial acrobatics from an outdoor theatre company, Manchester unveiled a reconstructed city centre. Spiegelworld is back in town for its second summer, with two spicy cabaret shows of dance, music, acrobatics and burlesque. Taking off from Bordeaux, the A300 Zero-G has just 40 seats and a huge 200 cubic metre padded area for free-floating acrobatics. As well as racing, there will be dromedary dancing, acrobatics and a beauty contest at the Bikaner Camel festival in January.

William Brownfield, the assistant secretary of state for drugs, has performed linguistic acrobatics in an attempt to reconcile America's legalisation of cannabis with its obligation to uphold the UN conventions that ban it. With his habitual flair for political acrobatics, the president parried the rising challenge with a bewildering mix of apparent concessions and selective viciousness. Governments once turned a blind eye to their wealthy citizens' offshore tax acrobatics. Drafters of constitutions elsewhere in the Arab world have performed semantic acrobatics to provide for Islam as a (sometimes "the") source of inspiration, while not insisting that sharia, which is anyway open to interpretation, be enforced to the letter. Mr Golding's only chance of avoiding such a fate is resorting to legal acrobatics. Nathalie Tzourio-Mazoyer at the University of Caen, in France, and her colleagues, measured the brain activity of a maths prodigy as he performed some feats of arithmetical acrobatics.

aerobatics

My Dad really played the piano, and my uncle did a lot of amateur dramatics. He took part in amateur dramatics as a school boy. I remember doing a performance when I was 17 at an amateur dramatics group and Sellotaping my face into a grotesque mask, and feeling very liberated. He pursued a variety of interests, including photography, lithography, architecture, and amateur dramatics, and he became adept even at magic. She thinks she inherited her desire to act from her mother, a keen player in amateur dramatics. He spent six years working as a commercial artist and textile designer, during which he acted in amateur dramatics at the Bolton Little Theatre.

Those who predicted that the Polish government would drop the dramatics and fade gracefully from view in the run-up to a general election next month have been proved spectacularly wrong. Dramatics such as his threat to resign play well in the cheap seats, but their price may be the return of the Tories as a political force. Yet the

winners from these dramatics may not be his Scottish National Party (SNP) but rather the Conservatives. And I remember nothing further of those after-school dramatics. He relished the ensuing courtroom dramatics, win or lose. Parcher usually wins on rigorous research and courtroom dramatics.

Despite his heroics, we lost 3-0.

On March 4th Mr Ivanishvili issued a public statement apologising to Georgia's allies for the president's behavior, but Mr Saakashvili's histrionics do not get Mr Ivanishvili off the hook. Mr Dern gives a flawless performance, which secured him an acting prize at this year's Cannes film festival, but it's an understated one, with none of the histrionics which tend to attract award voters. Histrionics have long been a staple of South Korean politics. Though they subsided in later years, George Steinbrenner's histrionics were incessantly rehashed by the press even as he turned over control of the team to his sons in 2008.

{I once had a class of MBA students descend into near hysterics and complain bitterly when I insisted they use logarithms. If a curriculum lacks intellectual rigour, students never realise how little they really know.} Mr Singh's moderate style (a great relief after the nationalist hysterics of the Bharatiya Janata Party) has been of importance in repairing relations with Pakistan. Freud came to the conclusion, based on his clinical experience with female hysterics, that the most insistent source of resisted material was sexual in nature. The spirits may cause the chosen one to fall into hysterics, to faint repeatedly, to have visions, or to have similar symptoms, with these events sometimes persisting for weeks. By the end of his set, around half of the room is in hysterics, the other half quietly nonplussed. The passengers realised that something was seriously wrong when one of the air hostesses broke down in hysterics, and the other members of the cabin crew had to lock her in a toilet.