BOSTON UNIVERSITY submission for Penn Bowl 7
Questions by Matt Bruce
FINE ARTS (Architecture)
TOSSUP 1
One was originally the church of Saint Genevieve, built by Louis the Fifteenth and finished in 1790. The other has been known as the Santa Maria Rotunda since the seventh century, but was built by Agrippa. FTP, what eight-letter word names one structure dedicated to honorable Frenchmen and another dedicated to all the gods?

Answer: _PANTHEON_
HISTORY
TOSSUP 2
By its terms Russia gained control of the mouth of the Danube and navigational rights through the Dardanelles and Bosporus. The Ottoman Empire was required to pay an indemnity to Russia, to grant autonomy to Greece, and to reconfirm the autonomy of Moldavia, Walachia, and Serbia. FTP, what 1829 treaty ended the Russo-Turkish war?

Answer: Treaty of _ADRIANOPLE_

## GEOGRAPHY (political)

TOSSUP 3
The European Space Agency's rocket Ariane is launched from the center at Kourou \{KUH-ruh\} in this overseas French department. Mount Saint Marcel, near the Brazilian border, is its highest point. The closing of penal colonies on Devil's Island hurt the economy of, FTP, what territory whose capital is Cayenne?

Answer: FRENCH GUIANA (DO NOT ACCEPT "Guyana")

LITERATURE (satisfies philosophy)
TOSSUP 4
He ought of beasts to choose both the lion and the fox. It is well to seem merciful, faithful, humane, religious, and upright, and also to be so; but the mind should remain so balanced that were it needful not to be so, he should be able and know how to change to the contrary. FTP, to what hypothetical title character does Nicolo Machiavelli give this advice?

Answer: The _PRINCE_
SCIENCE (Physics)
TOSSUP 5
If they exist, they would spontaneously emit light in a process similar to Cherenkov radiation, even in a vacuum. First proposed by Gerald Feinberg and George Sudarshan, they would be capable only of traveling faster than the speed of light. FTP, what hypothetical particles take their name from the Greek for swift?

Answer: _TACHYON_s
POP (Sports)
TOSSUP 6
He keeps a lower profile than Jimmy Johnson and Bill Parcells, both of
whom were rumored to have interviewed for the job he now holds. He is more positive than the first man to hold his job, who, when asked how he felt about his team's execution, replied that he'd favor it. FTP, what young coach has inspired Warrick Dunn and Trent Dilfer and brought football fever to Tampa Bay?

Answer: Tony _DUNGEE_
FINE ARTS (painting)
TOSSUP 7
Jules was governor-general of Canada from 1974 to 1979. Paul Emile served as archbishop of Montreal before resigning to work among African lepers. Alexis won the Nobel Prize for Literature in 1960. Fernand, a Cubist who later associated with Le Corbusier, painted The Mechanic; Three Women; and Great Parade. FTP, what surname did they all share?

Answer: _LEGER_ \{lay-ZHAY\}
SOCIAL SCIENCE (Law)
TOSSUP 8
At issue was whether the plaintiff had trespassed in taking a path that ran along the rail tracks where the train struck him. Because the suit was in federal court, under Swift v . Tyson this would be a federal question, but the Supreme Court held that rights created by state law should be adjudicated by state law, even in federal court. FTP, name the railroad involved in this landmark 1938 jurisdiction case.

Answer: _ERIE_v. Tompkins

## CURRENT EVENTS

## TOSSUP 9

Capers Jones, president of Software Productivity Research, refers to it as "the most expensive single problem in human history." Peter de Jager, a Canadian management consultant, first described it in a September 1993 article in Computerworld, headlined "Doomsday." FTP, what technology crisis is often referred to in shorthand as Y 2 K ?

Answer: The _YEAR TWO THOUSAND_bug or _MILLENIUM_bug (accept 'Y2K' on early buzz; accept equivalents within reason)

RELIGIONS (satisfies myth)
TOSSUP 10
TWO ANSWERS REQUIRED. He falls in love with her in the eighth year of the Trojan siege. Pandarus sets them up, but her father Calchas gets the Greeks to demand her in a prisoner exchange. In Greece, she hooks up with Diomedes. He fights Diomedes, but is killed by Achilles. FTP, name this unhappy couple.

Answer: _TROILUS_ and _CRESSIDA_(or _CRESSID_or_CRISEYDE_)
SCIENCE (Chemistry)
TOSSUP 11
Boron; Silicon; Germanium; Arsenic; Antimony; Tellurium; Polonium; Astatine. On a periodic table, this set of elements will likely have its own color. Not metals, nor nonmetals, but, FTP, what?

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Answer: _METALLOID_
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## LITERATURE

TOSSUP 12
Shakespeare, the Poet; Plato, the Philosopher; Goethe \{GER-tuh\}, the Writer, Swedenborg, the Mystic; Napoleon, the Man of the World; and Montaigne \{mon-TAIN-ya\}, the Skeptic. Unlike Carlyle, the author believed that great men epitomize their time rather than standing apart from it. Thus the title of, FTP, what series of biographical sketches by Ralpho Waldo Emerson?

Answer: _REPRESENTATIVE MEN_

## HISTORY

TOSSUP 13
James Barron killed him in a duel. After dictating peace terms to Algiers and Tunis, he toasted: "Our country! In her intercourse with foreign nations may she always be in the right; but our country, right or wrong." FTP, name this American naval officer.

Answer: Stephen _DECATUR_
POP (Not Sports)
TOSSUP 14
TWO ANSWERS REQUIRED. They co-hosted a variety show in 1958, and in 1985
they played Tweedledee and Tweedledum in a TV movie version of Alice in
Wonderland. He co-hosted, with Don Rickles, the short-lived ABC show
Foulups, Bleeps and Blunders. FTP, name this showtune-singing couple.
Answer: Steve _LAWRENCE_ and Eydie_GORME_ [pronounced like "gourmet"]
FINE ARTS (Music)
TOSSUP 15
Darius Milhaud, Arthur Honegger, Francis Poulenc, Georges Auric, Louis
Durey, and Germaine Tailleferre seldom met, but did join their mentor, Erik Satie, and spokesman, Jean Cocteau, in criticizing Romanticism. FTP, what group got their name as a comparison to The Five of Russia?

Answer: Les _SIX_ \{"lay SEECE" or simply "the six"\}
SOCIAL SCIENCE (Archaeology)
TOSSUP 16
Standing approximately 448 ft . tall, and still retaining a small cap of its original limestone veneer, it was built for a ruler who lived from $2251-2228$ BC. Located southwest of Cheops's tomb, this fixture is one of the three Great Pyramids. Name this mortuary for ten points, built for King Chephren, that lies next to the Sphinx which bears his resemblance.

ANSWER: _KHAFRE_ or _KHUFU_ [also accept Temple of the Valley; prompt on Chephren]

HISTORY (satisfies nonwestern)
TOSSUP 17
Chu Yuan-Chang, born in 1328, joined the rebel forces, discovered that he had military ability, and captured Nanking in 1356. He had defeated the Mongols by 1368, and declared himself the first emperor of, FTP, what dynasty?

Answer:_MING_Dynasty

POP (1/2 sports)
TOSSUP 18
Chicago disc jockey Steve Dahl was fired from WDAI-FM when that station switched music formats. This gave Bill Veeck the idea for a promotion that drew 70,000 people to Comiskey Park, 37 of whom were arrested in a melee that destroyed the field and forced the White Sox to forfeit the second game of a doubleheader. FTP, what 1979 event was this?
Answer: _DISCO DEMOLITION_Night
RELIGIONS (satisfies Judeo-Christian)
TOSSUP 19
Mentioned in Matthew 27, legend has it that this member of the Sanhedrin was imprisoned for years, but released by Vespasian in 63 AD . He then brought to Britain both the spear with which Longinus wounded Jesus and Holy Grail. FTP, who believed in Jesus but was afraid to confess it?

Answer: _JOSEPH_ of Arimathea
SCIENCE
TOSSUP 20
Invented in 1846 by Nova Scotian geologist Abraham Gesner, it was distilled from albertite, which is similar to coal. Deriving its name from the Greek words for "wax" and "oil", FTP, what heating product's flames are much brighter than those of whale oil or tallow?

Answer: _KEROSENE_

## GENERAL

TOSSUP 21
He was born in Senegal on October 18, 1909. His many occupations have included poet, philosopher, statesman, as well as former president of Senegal from 1940-1979. He is most famous for his philosophy of "La Negritude," which is the adulation of the West African culture. FTP, name this first African to be elected to the Academie francaise.
Answer: Leopold _SENGHOR_

## GEOGRAPHY (Physical)

TOSSUP 22
Captain Cook decided to call this body of water Stingray Harbor, but he changed the name to honor Joseph Banks, a scientist who joined his expedition to study plant life in the Southern Pacific. FTP, what waterway leads to Sydney?

Answer: _BOTANY BAY_
LITERATURE (satisfies theater)
TOSSUP 23
In 1972, he wrote a play, In the Clap Shack, set in the VD ward of a World War Two navy hospital. He first gained fame with his stream-ofconsciousness novel Lie Down in Darkness, and won a Pulitzer for The Confessions of Nat Turner. FTP, who spent five years writing Sophie's Choice?
Answer: William _STYRON_
HISTORY
TOSSUP 24
He began his military career in the Polish army during World War Two.

Having served as defense minister from 1968 to 1981, in December 1981 he declared martial law, banned Solidarity, and arrested its leaders. FTP, who served until 1989 first secretary of the Polish Communist party? Answer: Wojciech _JARUZELSKI_

## RELIGIONS

TOSSUP 25
Among Hindus, they are sacred to the moon. In medieval lore they are melancholy beasts. Superstition holds that they are sexless, or change their sex every year. They are unusually shy and wild during their mating season, but Erasmus notes that they are "wilder in marshes from the absence of hedges and cover," throwing confusion on an old cliche^?. FTP, what animals are allegedly maddest in March?

Answer: _HARE_
FINE ARTS
TOSSUP 26
A documentary film made of his 1979 tour of China won an Academy Award in 1982. He made his professional debut at the age of 11 with the San Francisco Symphony and established his reputation in chamber music in a trio with pianist Eugene Istomin and cellist Leonard Rose. FTP, name this Russian born violin soloist.

Answer: Isaac _STERN
LITERATURE (satisfies ancient; poetry)
TOSSUP 27
Born in Verona, he fell disastrously in love with a young Roman maiden, the beautiful, gifted, and unscrupulous sister of Clodius Pulcher.
Clodia became his dark muse, the "Lesbia" of his poetry. FTP, who wrote the Lament of Atthis as well as several stinging epigrams?

Answer: Gaius Valerius _CATULLUS_
CURRENT EVENTS
TOSSUP 28
As the New York Times quoted her in October, "what has happened is that the applicants themselves are not sending in proposals for provocative work because they want to get funded." FTP, who referred to artists as "very astute," one day after resigning her chairmanship of the National Endowment for the Arts?

Answer: Jane _ALEXANDER_
SCIENCE (Biology)
TOSSUP 29
They are symbiotic combinations of organisms living together intimately. The species involved are always a fungus of either Ascomycetes or Basidiomycetes, and either green algae or blue-green bacteria. Often the most importan autotrophs found on recent lava flows, they are also associated with dry, exposed soils. FTP, what are they?

Answer: _LICHENS_
GENERAL
TOSSUP 30
Fourteen of them were hanged in York in January 1813. The movement began
in the hosiery and lace industries around Nottingham in 1811 and spread to the wool and cotton mills of Yorkshire and Lancashire. Most famous for breaking knitting machines, FTP, what movement's name now applies to any zealous opponent of technology?

Answer: _LUDDITE_Movement
Subject: BONUSES (whichever BU team I'm on)

BOSTON UNIVERSITY submission for Penn Bowl 7
Questions by Matt Bruce
RELIGIONS (satisfies myth)
BONUS 1 (25 points)

1. For 10 points, what Greek god of woods and groves was also a
famous flautist?
Answer: _PAN_
2. Pan had fallen in love with a young girl, but she turned into the reeds from which his flute was made. F15P, name her.
Answer: _SYRINX

LITERATURE
BONUS 2 ( 30 points)
Colorado, Maryland's Eastern Shore, and historical South Africa may not have much else in common, but titles of the James Michener works about them all start with the same letter. FTPE, name them.

Answers: _CENTENNIAL_,_CHESAPEAKE_, The _COVENANT_

## CURRENT EVENTS

BONUS 3 ( 25 points)
In November, the board of N-E-T, a conservative political cable network, voted to fire the man who founded N-E-T three years ago.

1. F5P per letter, what does $\mathrm{N}-\mathrm{E}-\mathrm{T}$ stand for?

Answer: _NATIONAL_ EMPOWERMENT__TELEVISION_
2. FTP, who got fired?

Answer: Paul_WEYRICH_

SCIENCE (biology)
BONUS 4 ( 20 points)
For 10 points per part, given a trio of statements about protists, tell me which one or ones are true, if any. You must be exactly right about all three statements to get credit for that part.

1. All protists are eukaryotic; all protists are unicellular; all protists are multicellular.
Answer: All protists are _EUKARYOTIC_
2. All protists photosynthesize. All protists are heterotrophs. All protists have tissue differentiation.
Answer: _NONE OF THE ABOVE_ (accept equivalents within reason)

POP
BONUS 5 (30 points)
On a world tour, she startled viewers of the New Zealand equivalent of MTV with an obscenity-laden tirade against her unfaithful boyfriend.

1. FTP, give the first or last name of this singer from Veruca Salt.

Answer: _LOUISE_ or _POST_
2. The woman who allegedly stole Louise Post's boyfriend has also voiced Allison Taylor on the Simpsons' episode "Lisa's Rival." FTPE, name her,
and the rock star she and Louise fought over.
Answer: Winona _RYDER_and Dave_GROHL_

SOCIAL SCIENCE
BONUS 6 ( 25 points)
According to Robert Levine, who published a book on the topic in 1997, extroverts keep better track of it than introverts; overweight people keep better track of it than normal people; and, surprisingly, heavy drug users keep better track of it than light drug users.

1. F15P, what is this concept?

Answer:_TIME_ (accept equivalents within reason)
(Levine's book, "A Geography of Time", is subtitled "The Temporal Misadventures of a Social Psychologist, or How Every Culture Keeps Time Just a Little Bit Differently.")
2. In the 1860 s, the U.S. had about 70 distinct time zones. FTP, according to Levine, what caused time zone consolidation?
Answer: Completion of the _TRANSCONTINENTAL RAILROAD_
(accept equivalents within reason; accept anything train-related)

FINE ART
BONUS 7 (25 points)
A billionaire's recently-constructed Redwood mansion will house the Renaissance notebook that he bought for $\$ 30.8$ million.

1. For 5 points each, name the owner and the author.

Answers: Bill _GATES_; Leonardo _DA VINCI_
2. For 15 points, name this Da Vinci notebook.

Answer: _CODEX LEICESTER_, Leonardo _DA VINCI_

## RELIGIONS

BONUS 8 ( 25 points)
Aristotle addressed the importance of causality in explaining the forces of nature. For 5 points each and a 5 point bonus for all correct, name, in English please, his 4 components of causality.
ANSWER: _MATERIAL, FORMAL, EFFICIENT, FINAL_ cause

## HISTORY

BONUS 9 (30 points)
"I can hire one half of the working class to kill the other half." 1. For 15 points, what 19 th-century silver speculator said it? Answer: Jay _GOULD_
2. For 15 points, what union saw its membership rise from a hundred thousand to seven hundred thousand after the Jay Gould lent it prestige by dealing with it in an industrial dispute?

Answer: The _KNIGHTS OF LABOR_

POP (sports)
BONUS 10 (25 points)
Name these California shooting guards for five points per answer, 25 for all four correct.

1. These Los Angelenos have won the last two NBA slam dunk contests.

Answers: Brent _BARRY_ and Kobe _BRYANT_
2. They led their northern California NBA teams in scoring last season. One recently assaulted his coach; the other just wants a trade.

Answers: Latrell _SPREWELL_ and Mitch _RICHMOND_

GEOGRAPHY (political)
BONUS 11 (30 points)
Eight states border Missouri, including Tennessee. After Tennessee, for 5 points each, in CLOCKWISE order, list the next six states that border Missouri. Be careful: A MISS STOPS YOU.

Answers:
ARKANSAS
OKLAHOMA
KANSAS
_NEBRASK̄A_
IOWA
-ILLINŌIS_

## FINE ARTS

BONUS 12 ( 30 points)
Name these "styles" for 15 points each.

1. Generally applied to furniture, chairs are typically fitted with backs that curve with the spine, and tables are usually small, suitable for serving tea.

Answer: _QUEEN ANNE_Style
2. The dominant phase of formal American neoclassicism, typical features include elliptical fanlights, oval interiors, and freestanding circular stairs.

Answer: _FEDERAL_Style

HISTORY
BONUS 13 (30 points)
He died in 1559 when a lance splinter penetrated the eyehole of his golden helmet during a joust.
A. FTP, name this king of France.

Answer: _HENRY_the _SECOND_(prompt on Henry)
B. F5PE, give the first name and family name of Henry the Second's wife.

Answer: _CATHERINE_ and _DE MEDICI_
C. F5PE, name the two eldest sons of Henry the Second and Catherine de

Medici.
Answers: _FRANCIS_the _SECOND_and _CHARLES_the _NINTH_ (prompt on Francis \& Charles)

LITERATURE
BONUS 14 ( 25 points)
For 5 points each, 25 for all correct, give the first names of the four Brothers Karamazov.

Answers:
_ALYOSHA_
_DMITRI_-_
_SMERDYKOV_
_IVAN_

SCIENCE
BONUS 15 (30 points)
In 1975 the International Astronomical Union assumed responsiblity for naming the non-Galilean satellites of Jupiter. They named one after the goat that had suckled Jupiter, and the other eight after Jupiter's lovers. A. F5PE, name any four of these non-Galilean moons.

Answers:
AMALTHEA
LEDA
HIMALIA
LYSITHEA_
ELARA
_ANANKE_
_CARME
-PASIPHĀE_
_SINOPE_
B. All those moons' names end in "a" or "e". FTP, what is the significant common feature of the moons whose names end in "e"?

Answer: _RETROGRADE_Orbit
(accept equivalents within reason)

## CURRENT EVENTS

BONUS 16 (20 points)
Is affirmative action on its last legs?
A. FTP, number the California proposition according to which state and local governments cannot "discriminate against, or grant preferential treatment to, any individual on the basis of race, sex, color, ethnicity, or national origin.

ANSWER: Proposition _209_
B. FTP, in what city in 1997 did voters defeat Proposition A, a similar measure?

Answer: _HOUSTON_

GENERAL
BONUS 17 (30 points)
Name these Biblical cities for 15 points each.
A.) In this city southwest of Jerusalem, Abraham dug a well as part of his covenant with King Abimelech of Gerar. It was also where Isaac and Jacob lived. Today, over 140,000 people live there.
Answer: _BEERSHEBA
B.) Solomon's fleet left this Edomite city on the Gulf of Aqaba for the land of Ophir, according to 1 Kings Chapter 9 verse 26. Later known as Idumaea in the New Testament, it was mentioned in many Egyptian and Assyrian records.
Answer: _EZION-GEBER_

## HISTORY

BONUS 18 (20 points)
One was the oldest vice president in U.S. history; the other became more famous in the judicial branch. FTPE, name the Republican and Democratic Vice Presidential candidates of 1948.

Answers: Earl _WARREN_ and Alben _BARKLEY_

FINE ART
BONUS 19 ( 30 points)
The neat thing about a dimished-seventh chord is that, in piano tones, all four notes are equidistant. Suppose you play a dimished-seven chord with B natural as one of the notes.

1. For 5 points each, what are the other three notes?

Answers:
_D_natural (do not accept D sharp or D flat)
F_ natural (do not accept $F$ sharp or $F$ flat)
_AFLAT_ or_G SHARP_
2. By treating one of the four notes as a leading tone, for 5 points each, name any 3 of the four major keys in which this dimished seven can resolve to a tonic chord.

Answers:
-C FLAT_(or_D SHARP)
_G FLAT_ (or_F SHARP)
_A_

POP CULTURE
BONUS 20 (25 points)
"The tenants arrive in the entrance hall here, are carried along the corridor on a conveyor belt in extreme comfort and past murals depicting Mediterranean scenes, towards the rotating knives. The last twenty feet of the corridor are heavily soundproofed."

1. For 15 points, what Monty Python minor character voices this line? Answer: Mr. _WIGGIN_
2. For ten points, what actor portrayed Mr. Wiggin, as well as the dead-
parrot-buying Mr. Praline?
Answer: John _CLEESE_

SCIENCE (satisfies physics)
BONUS 21 ( 25 points)
Suppose you have capacitors with capacitance of two (2); three (3); and four (4). 10 points for one, 25 for both, making sure you tell me which is which, what is the total capacitance if you hook them up in series; and what is it if you hook them up in parallel?

Answers:
IN SERIES: _TWELVE THIRTEENTHS_(12/13)
IN PARALLEL: _NINE_(9)

LITERATURE (satisfies nonwestern; poetry)
BONUS 22 (20 points)
For ten points each, given the line-syllable scheme, tell me what five-letter word describes the form of Japanese poetry.

1. Three lines, 17 syllables in a 5-7-5 pattern.

Answer: _HAIKU_
2. Five lines, 31 syllables in a 5-7-5-7-7 pattern.

Answer: _TANKA_

RELIGIONS (satisfies nonwestern)
BONUS 23 ( 30 points)
The "ends of man," or four legitimate goals of Hinduism, include sacred duty; material gain; pleasure, including but not necessarily sexual; and spiritual release or salvation. FTPE, provide the original term for any three of these four.

Answers:
_DHARMA_
_ARTHA
_KAMA_ (listen carefully; DO NOT ACCEPT "karma")
_MOKSHA_

GEOGRAPHY (physical)
BONUS 24 (30 points)
For 10 points each, name the three longest rivers in Australia.
Answers:
DARLING_River
_-MURRAY-River
_MURRUMBIDGEE_River

SOCIAL SCIENCE (satisfies economics; psychology)
BONUS 25 (30 points)
Scissors cut paper; rock blunts scissors; paper covers rock.

1. FTP, how many pure strategy Nash equilibria does rock paper scissors have?

Answer: _ZERO_(0)
2. If I keep playing rock, even though you keep playing paper, because I continue to insist that rock actually breaks through paper, FTP, what defense mechanism am I using?

Answer: _DENIAL_(it's not just a river in Egypt!)
3. If I keep playing rock, even though you keep playing paper, because you always used to play scissors and so rock always used to work, FTP, what defense mechanism am I using?

Answer: _REGRESSION_

## GENERAL

BONUS 26 ( 30 points)
30-20-10, name the six-letter word.
30 A battle cry of the Scottish clans
20 A phrase expressing the aims or nature of an enterprise or organization
10 A catch-phrase used in advertising or promotion
ANSWER:_SLOGAN_

## LITERATURE

BONUS 27 ( 25 points)
Like your detective fiction hard-boiled?

1. For 15 points, what American mystery writer entered Dulwich Academy the same year that P.G. Wodehouse graduated from it?

Answer: Raymond _CHANDLER_
2. F5PE, name Chandler's first novel, published in 1939, and the gumshoe protagonist who made his debut in that novel.
Answers: The _BIG SLEEP_; Philip _MARLOWE_

HISTORY (satisfies ancient)
BONUS 28 ( 30 points)
In the second century B.C., Rome wanted to conquer Numidia, but had a problem: Numidia's ruler kept winning battles by bribing Roman generals. For 15 points each, name this ruler, and the low-born general who took him out in 105 B.C. before moving on to grander things.

Answers: _JUGURTHA_; Gaius _MARIUS_

SCIENCE (chemistry)
BONUS 29 ( 25 points)
Hydrogen. Hydrogen. Helium. Lithium. Boron. For 5 points each, 25 for all correct, what elements' chemical symbols correspond to the next four numbers in the Fibonacci Sequence?

Answers:
_OXYGEN_(8)
-ALUMINŪM_ (13)
_SCANDIUM_(21)

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_SELENIUM_(34)
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FINE ARTS (architecture)
BONUS 30 (30 points)
Other than Walter Gropius, the Benet's Readers Encyclopedia entry on
"Bauhaus" mentions two architects and four artists, three of whom taught art courses at Bauhaus, by name. For 5 points each, name them.

Answers:
Lyonel_FEININGER
Vassily _KANDINSKY_
Paul _KLEE
Marcel BREUUER
Mies _V̄AN DER $\overline{\mathrm{R} O H E}$
Adolf _HITLER_

