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# TRIPOD "SPECIAL" REPRINTS PHI BETA KAPPA LECTURE BY DR. HARRY TODD COSTELLO 

## Tripod Dubs Lecture Oratorical Milestone <br> THE SEVEN LIBERAL ARTS


churclogen, Neresy. But the stadent in
theolon semblance where there was no ti
Arts could go along studying his bits
of argumentation, untroubled by the
Rhetoric and Social Climbers

| The road of ambition in Rom |  |  |  |  |  |  |  |  |  |  |  |  |
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Tripod "Extra" for Alumni and Parents

of re-printing the Phi Beta Kappa ecture of Dr. Harry Todd Costello, which he delivered to the College on March 8, 1956, shortly before his rerement.

This re-print has been especially omplied for alumni, parents of stuents and friends of the College. The ripod is glad to pass a copy of this in hopes that it might re-kindle some ld memories, some old thoughts We, the Editors of the Tripod, eve this lecture is important to ever alumnus, parent, or friend of the col-
ts.

We are proud to print a lecture as mely, as keen and as perceptive as delivered one hundred and nineteen ears ago by Ralph Waldo Emerson.

Claus is like when you do battle as
cowboy, or play with space ships.

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## Costello Address

（Continued from page
the full flavor of the erudite puns i When I came to Trinity elemen－ choice was Greek or，mathematics．So
we turned out B．S．＇s in French and we turned out B．S．＇s in French and
History，but mostly we hardly turned out anybody，for the called saving the
come．This was
Classics Our Alumni of the $20^{\prime} \mathrm{s}$ wer come．This was called taving
Classis．Our Alumni of the $20^{\prime}$ sere
few，but very select．I heard the old professors say，＂A student should do a
real piece of hard work for onee in his
life If he is willing and able to do life．If he is willing and able to do
neither mathematics nor Greek，why neither mathematics nor Gother with him？＂I found myself objecting to putting something and propounded a riddle：＂What is the and a looking glass？＂＂I then consented to give the answer：＂The fool speak
without reflecting，and the looking glass reflects without speaking．But
the reason for the red－headed fool？
No reason．I just put＂red－headed＂in No reason．I just put＂red－headed＂i
to make it hard． Requirements Should Be Gateways
I have never seen too much virtue I have never seen too much virtue
in making things hard．It is surely a
pity that elementary Greek is hard； pity that elementary Greek is hard
and so is ordinary mathematics for
many people，though much of the lat many people，though much of the lat at the beginning．I knew a student
back in the 20＇s who spent two years
on his first college mathematics course，and three years on his second
they required two years then，since
they hoped this might drive some peo－ ple into Greek－or maybe to drink
That this student died rather sanrly was not，I think，due to mathematics， ife in useless endeavor．I think a stu－ hard in his specialty，economics for
the young business man，real the retic economics and not description
of business forms，and the same hard Work fo
Fngance etting ratched young men in
Fror competitive
examinations in English literature where they were asked to be prepare thors，and the ability to criticize each． quirements for distribution and broad－ ening hard？I would except the cas
of writing English，which is an essen of writing English，which is an essen to make a man work hard enough so in the new subject an opportunity and and new powers．Requirements for spread should be opportunities and aside－good－bye forever！They should pen up new vistas，making the stu－
dent aware of worlds unrealized，gate ways and not dead－end streets．
would not require any subject with－ out alternative．If a man loathes subject，let him take something else oafers from going out that way would say take three courses you like
for the one you hate，though you can count the three as only one for the quantity requirement at graduation
The other methods are wastes o
human resources．We hold year afte year committee meetings about the square pegs and the round holes，and
trying to find the magic formula fo some new sort of salve to help force in the square pegs．Someone has said freedom，which consists above all

## The Humanities vs．The Sciences

 The mention of freedom brings usback to the Arts of Free Men，the Liberal Arts．What a painful collaps early Middle Ages！Arithmetic became
the power to calculate when Easter comes．Geometry，the measurement of the earth，became geography． fortunes from the stars．And music So far from developing into mathema－ tical physics，became the rudiments o church singing．The u
bansion now what about the later ex mar into the fields of Literature？This
development the rest of the Trivium．It has adde
and even Philosophy，when the latt
ceased to be serious by ceasing to ceased to be serious by ceasing to b Theology．The whole has been name
The Humanities，possibly from Ci The，Humanities，possibly from Ci
cero＇s reference to＂the more humane
letters．＂The imaginative arts，the letters．＂The imaginative arts，the
arts that play with the world，crea－ arts that play with the world，crea And a great world it is，a world of the possible alongside the actual．Ce tain parts that took themselves to
matter of fact have been spawned of into new sciences，economics，govern－
ment，sociology，psychology，anthro－ pology，in short，the social sciences Situated somewhere well in the back
ground of our modern culture are the natural sciences and the mathemati cal；not too significant for culture ex－ cept when they do something annoy－ bomb．You put a little of them，not twenty，into the curriculum，along－
side the core of Humanities．They are probably there just to make thing

and hope that for many years to come his genial presence will continue to race our campus and library，places Jacobs，President of the College．

## Sane Men and Dreamers

Plato thought of his sciences the hat is，as abstracting act thinking， tials，or rather seeing them by the eye of thought，and getting away from
the cloudy intuitions of the senses and emotions．He condemned the artist for ence today，the sense－data are chiefly significant as pointer readings，con－ frmations，signs of the real existences，
which existences are what science seeks to know．Plato was too hasty seeks to know．Plato was too hasty， not need the senses．Modern art and is that each fine art and field of thing is that each fine art and field of litera－
ture introduces you to a new ideal
world．As Mrs you still see the paint，you do not yet see the painting，＂for they are n
even in the same space．Analysis the given world provides the elements picking out essential systematic rela－ tions amid the irrelevancies which are also given，though even this＂analy－
sis＂calls for thought．But out of those elements of system you build new con－ structions：for example，a sysiem of
mathematics，a grasping of a system mathematics，a grasping of a system－ arganized piece of music．We live，as
orgreat or in The Humanities，in two worlds， the actual and the ideal，and they in－ terpenetrate and interlock without destroying one another．Great litera－
ture and great science are alike prod－ ucts of creative imagination．To para－ phrase Willard Gibbs，poetry and pure mathematics can dream about any－
thing，but the physicist and the his－ thing，but the physicist and the his－
torian have to be sane－at least part ＂Yes，＂it may be said，＂you talk areams，but what are you going to do confronted by a wall down the You are of every campus，on the one side the
Sciences，on the other side what are now called The Arts．How are you in practice to make the Arts student at home in the Sciences，and
students at home in The Arts．

To the Arts student each science is a narrow specialty．Professor Krieble went to the The next day she brought
penguins．Tit
it back and slammed it down，＂No good！＂The librarian said it was con－
sidered excellent on penguins，to sidered excellent on penguins，
which she replied：＂It tells me more
俍 For the Arts student the Science side of the campus is full of penguins，it
is all spinach，and you know what you can do with it．Or as Professor Ster－
ling Smith describes the janitor＇s in－ sight into the nature of chemistry：
＂It comes in big bottles，and I pour Assistants put it in small bottles for the sink．＂A scientist tries to tighte overheard in the hallways the other
day this comment：＂Geology used to day this comment：＂Geology used

Philosophy and Science We in the Philosophy Department part with a course whose cumbersome zation with particular relation to the History of science．it pulls together Arts students，for whom it was planned，are less satisfied．They lik social conditions，but they hope the growth of science has been a great drama．The biggest actual application of science have come only in our own ngine，but not the power reacto Copernicus revolutionized men＇s
thoughts about themselves，but the as－ thoughts about themselves，but the as－
trophysics of today leaves us stunned． Ten thousand million suns like ours in our system，and yet a good aver－
age photograph from Mount Palomar may show more other systems equal
to ours off yonder on its field than it to ours off yonder on its field than
shows separate stars from our oow
system．Then there is the whole swe of theories of evolution，astronomy，
geology，biology，social fields．There is the great range of modern anthro－
pology，or of the rediscovery of the
pre－historic past of man．Even more pre－historic past of man．Even more
important are the methods by which
results have been reached，and the new study of methods called the phi－
losophy of science．And there are the biographies of great investigators and ors and lawyers．We must not，how－to mize the value，also，of one good mini－
laboratory course in one abstract and in these fields requirements for
breadth which really stretch the mind，
which was the which was the original aim
Liberal Arts，from Plato on． What happens when the young sci－ going over to the Arts side？German
or a little economics is not very broad－
ening ening．Some say be sure students
take a course in American History， for patriotism＇s sake．I am not too will bear too close scrutiny at the col－ history student came out with the olid fact that Disraeli wore gree ants；and another learned that the of the Father of His Country was due false teeth that hurt him．The
Humanities，as Howard Mumford ones has been indicating recently，
give the young man an odd picture of give the young man an odd picture of
our greatness．Pessimism，defeatism， frustration，anxiety－there is Freud，
there are Joyce，T．S．Eliot，Kafka， here are reaction and disillusionment， current philosophy there are revivals narrow materialisms and hedonisms， matism．Professor Raphael Demos
mells us in teaching able for free men he has stated the choose between great alternatives as an independent thinker．The professor And what impose his dogmatic will！ And what not choose either big alter－ that is，to emotional prejudices he had before．

## We＂I am already here＂

American way，which praises have the and respect for the individual．I wish it were so．But it seems as if the peo－
ple who are most anxious to who are most anxious for others to go the American way frequently do for others＇freedom or a respect fo the other man＇s individuality．The most obvious American way is tha then whizzing back again，after hat ing been nowhere in particular excep to collect where the roads are crowd
ed．They whiz down to Florida．That is a sort of goal，for that is about a though you may take off to direction of St．Petersburg or to Key West．The Florida back country is often less
pleasing than at home，and the

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