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CHRISTMAS

Christmas, which is now approaching, brings something for us all, something not concrete, but as real as money or food. We all become more kindly under the influence of this season; kind words are spoken and unkind ones remain unsaid. An air of eagerness coupled with a feeling of good-fellowship pervades our thoughts and actions. In some manner or other, this thing called Christmas draws forth the better nature of men into light for at least a brief period.

We realize that those surrounding us are our friends, and we cherish them as such. Who can be mean or petty while under the mellowing influence of Christmas? Surely there exists a harmony between all men at this time.

Perfect friendship, according to Emerson, requires natures so rare and costly, so well tempered each, and so happily adapted, and withal so circumstanced, that very seldom can its satisfaction be realized. However, by assuming more cordial relations with our fellow-men, we do much to soften the hard tramp of life. Perhaps we shall not achieve perfect friendship, if there is such, but certainly we have progressed much toward the goal of universal brotherhood.

May Christmas bring to you the best of friendships, the most joyous of celebrations, and the highest satisfaction. Merry Christmas and a Happy New Year!

"Those who have been once intoxicated with power, and have derived any kind of emolument from it, even though but for one year, never can willingly abandon it. They may be distressed in the midst of all their power; but they will never look to anything but power for their relief. When did distresses ever oblige a prince to abdicate his authority?"

—Edmund Burke.

"If rich, it is easy enough to conceal our wealth; but if poor, it is not quite so easy to conceal our poverty. We shall find that it is less difficult to hide a thousand guineas than one hole in our coat."

—Caleb C. Colton.

..: "THE SLIPSTICK" ..:
Cleave to "The Slipstick"; let
the Slapstick fly where it may.

THE ENGLISH PROFESSOR

I teach the trusting little frosh
The things that they should know;
I mark their themes with inky blots
And watch their ideas grow.

Their work reflects some splendid thoughts,
Their penmanship is "swell";
But there is one thing not so hot—
The way those dumbbells spell.
Fred and Dave.

In order to meet the demands of small investors the
stock exchange will run buses to the poor house.

"Are you the man who gave the kitty to my brother
last week?"
"Yes."
"Well, ma says to come and take them all back."
Walt.

BUT NOT TILL AFTER CHRISTMAS
BROKEN-HEARTED SOPH asks for advice. He says
that a certain professor asked his class to keep away
from the women, and in order to help them, the same
asked for the girls' telephone numbers so that he
might call them up and convince them (the girls) that
they should leave the students alone.
We think the professor is right to some extent, but
as for the telephone numbers, do not give them to him
—send them to us.

Dad: "When I was a boy, I thought nothing of
chopping wood all day long."
Son: "Well, I don't think so much of it either."

MATHEMATICS LECTURE NO. 44
THE INDIFFERENT TRIGONOMETRICAL
The indifferent trigonometrical is a new branch of
the science of meddimeedics. It is used when other
means fail; and when they do, it will also. But it is
a new development obtained by squaring the recip-
rocal of the sum of the square cubes of ten times the
product of the differential of X and the sine of the
tangent intersection of two planes in space when the
opposite angles are the same and unequal. This
funicular catenary in the last step is multiplied by
the third heterogeneous infinitesimal which is the
integral of the logarithm of the partial derivative of
the inverse moment of the graphical resultant of the
fundamental quantity known as Pi.
Now, any freshman who desires this simple but
difficult course, this way, please.
The Bongineer.

Some hot boys get that way from being all wrapped
up in themselves.
C. G.

"Then File Them"
Ques.—"What is good for biting finger nails?"
Ans.—"Sharp teeth of course."
Ree.

"Students Average One Flunk Slip"—last week's
news. An optimistic sort of guy, who received four
said, "Well, at least I'm above the average."

TACT
If you want to pet, it's best to lead up to it gradu-
ally. Like this for example: "Let's neck."
Chester.

They Bother Most People
"How are you getting on with your arithmetic,
Simon?"
"Well, I learned to add up the oughts, but the fig-
gers bother me."
C. G.

It's easy to be the best dressed man in college.
Just pick out the right roommate.
Ree.

NO FALSE CLAIMS
Tourist—"I've driven three thousand miles to see
your beautiful sunset."
Alkali Ike—"Someone's been stringing ye, stranger.
It ain't mine."
A Wish

I would become an optimist
And count life's torture fair;
If I could see my dentist
In another dentist's chair.
J. S.

No Worries At All
"And are you comfortable in prison?"
"Yes, now I don't have to get up in the middle of the
night to see if the door is locked."
An article stated that, "talkative women succeed in
business." Is there more than one kind?
Chester.

Catty
Myrtle: "A doctor said that ill health always attacks
one's weakest spot."
Maggie: "Do you have many headaches, dearie?"
R. G. K.

MERRY CHRISTMAS and A HAPPY NEW YEAR—
Everybody. K. K.



Professor Daniel Roesch

(A Biographical Sketch)
BY STEPHEN JANISZEWSKI, '30

Daniel Roesch, Professor of Auto-
motive Engineering, was born in
1882, in Aurora, Illinois. He gradu-
ated, in 1900, from the East Au-
rora High School and entered
Armour Institute as a student in
the mechanical department. He
received his B.S. degree in mechan-
ical engineering, in 1904. Four
years later the M.E. degree was
conferred upon him.

In 1911, Professor Roesch became
an instructor in the mechanical en-
gineering department at Armour
Institute. Since then he has taught
various classes in that department
and has received the promotions in
line. This year he attained the
rank of Professor of Automotive
Engineering.

Professor Roesch belongs to a
number of societies, among them
being the Society of Automotive
Engineers, the American Society of
Mechanical Engineers, the Society
for the Promotion of Engineering
Education and the University Club
of Chicago. He is a member of Tau
Beta Pi and Pi Tau Sigma honorary
fraternities and Phi Pi Phi social
fraternity.

The Professor of Automotive En-
gineering has taken an active part
in the affairs of the Society of
Automotive Engineers. He has
been chairman of the Publication
Committee of this organization for
six years and served on the Re-
search Committee for a number of
years during the formulation of the
Standard Methods for Engine Test-
ing. At the present time he is a
member of the Fuels Committee,
having made an especial study of
automobile engine fuels with special
reference to their anti-knock char-
acteristics. He originated the
method for testing anti-knock val-
ues by the spark-advance audibility
method and presented a paper be-
fore the S.A.E., in 1927, describing
the method and the results of many
tests which were made in the Ar-
mour Institute of Technology La-
boratories.

One of the refinery control meth-
ods of the Sinclair Refinery Com-
pany is based upon the above anti-
knock test methods. Two complete
test sets were designed by Professor
Roesch for their East Chicago, In-
diana and the Houston, Texas Re-
fineries.

He has written technical articles
for Gas Power, Automotive Indus-
tries, the S.A.E. Transactions and
Journal and yearly for the Armour
Engineer.

In 1916, Professor Roesch pre-
sented a paper for the Society of
Automotive Engineers on "Testing
Variable Speed Engines by a New
Method" and, in 1921, a paper on
"Power Fundamentals."

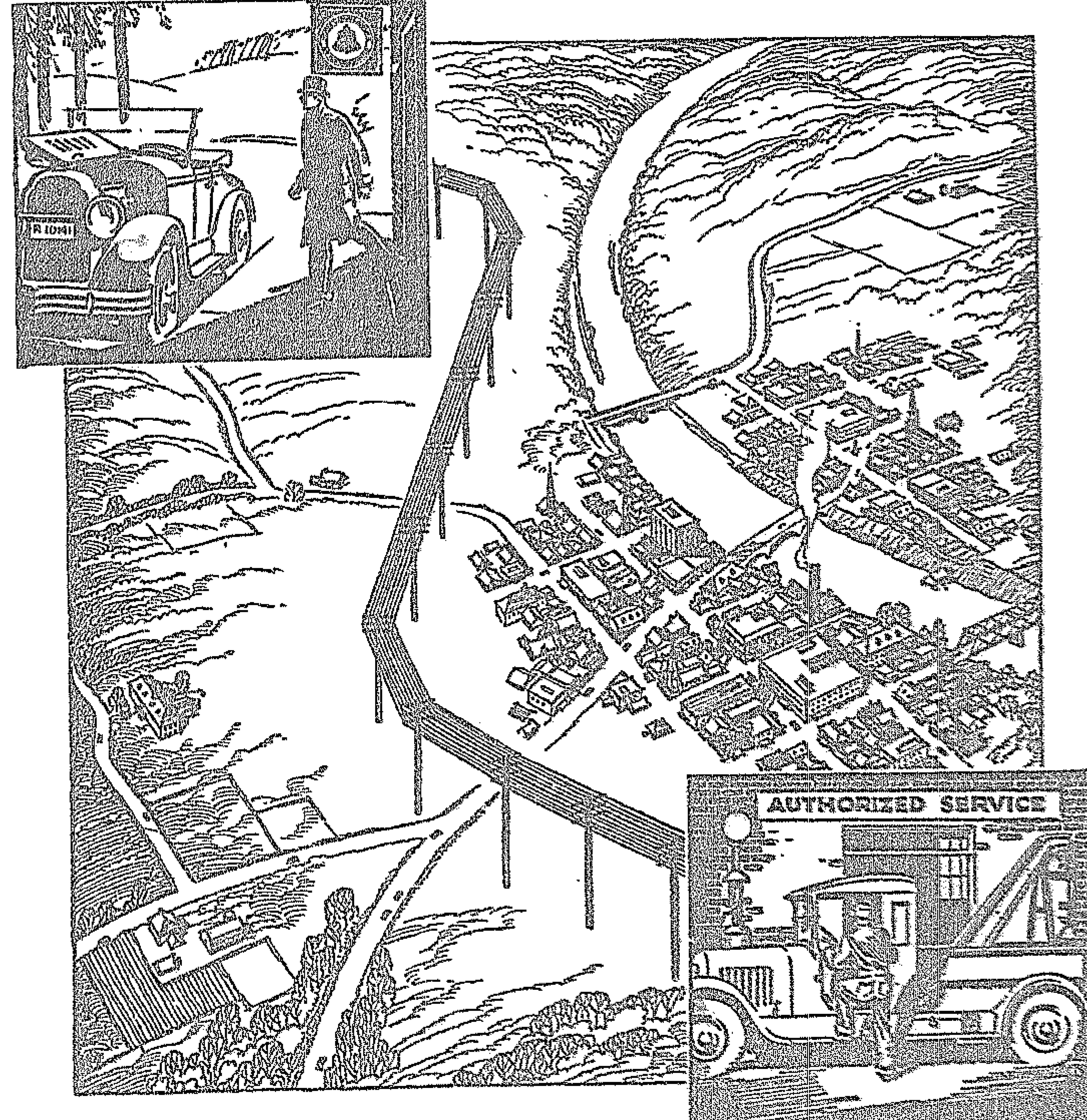
Professor Roesch has had consid-
erable engineering practice. From
1904 to 1907, he was with the West-
inghouse Machine Company, as ex-
perimental and road engineer; in
1907, he was with the Duquesne
Light and Power Company, in Pitts-
burgh. The following three years
were spent as Chief Engineer of
the Citizens' Gas and Electric Com-
pany, at Lorain, Ohio, in charge of
the central station and the city's
outside lighting equipment. From
1911 to the present time, Professor
Roesch has carried out numerous
tests and consultations in conjunc-
tion with his instructional work at
the Institute. One of these was the
design study of valve cams for the
Duesenberg submarine-chaser en-
gines and for high speed Diesel en-
gines.

One of Professor Roesch's most in-
teresting assignments was the oper-
ation and development work of the
Leinweber Brothers Helicopter at
the Speedway flying field, in 1920.
The interesting features of this ma-
chine were that it had two revol-
ving cylinder engines and two tan-
dem propellers per engine. Ar-
rangements were provided on this
machine to tilt the propeller axes
while in operation.

In 1907, Professor Roesch was
married to Lillian C. Schwyn, of
Chicago. They have a daughter at
the University of Illinois and a son
who attends Morgan Park High
School. Professor Roesch's hobbies are
"Mfg"—motoring, fishing and golf.

The student chapter at Armour
of the A. S. M. E. held a smoker at
the Theta Xi house Thursday
night, December 12. Refreshments,
smokes and coffee were served.

Peace advocates can no longer
speak of our 3,000 miles of un-
guarded frontier along the Cana-
dian border.—Louisville Courier-
Journal.



... and a Telephone man brought them together

In the Bell System re-
search and development
are not confined to en-
gineering laboratory. These
methods are applied also to
the commercial side of the
business, to make telephone service more
and more useful.
An example is the classified telephone di-
rectory, with its convenient listings by trade
and profession, for quick and easy reference.
Or take this other use of the classified
directory. Telephone men analyzed advertis-
ing and merchandising. They saw that pros-
pective purchasers of advertised products
often did not know where to buy them. They
developed a plan for listing these dealers
under their brand name in local "Where to
Buy It" directories—a genuine service to
buyer and seller alike.

BELL SYSTEM

A nation-wide system of inter-connecting telephones



"OUR PIONEERING WORK HAS JUST BEGUN"