

# THE GIANTS - - WEEK OF DEC. 27-JAN. 1

## THE GIANTS

### FREDERICK BANTING

#### IN SEARCH OF INSULIN

**IN 1902, A 9-YEAR-OLD BOY PLAYS IN THE FIELDS NEAR ALLISTON, ONT., WITH A PRETTY LITTLE TOMBOY.**

CATCH ME IF YOU CAN, JANE!

12-27



BUT CAREFREE DAYS END WHEN THAT PLAYMATE SUDDENLY GROWS ILL . . .

DIABETES...



AND JUST AS SUDDENLY, LITTLE JANE IS DEAD !

THE SUGAR SICKNESS WON'T SOMEONE EVER FIND A WAY TO STOP IT ?



SHE COULD NOT KNOW THE ANSWER TO HER QUESTION STOOD ONLY A FEW FEET AWAY . . .



. . . IN THE SHAPE OF THAT LITTLE BOY, WHOSE NAME IS FREDERICK G. BANTING !

— Dr. Frederick Banting

## THE GIANTS

THE DEATH OF A PLAYMATE THROUGH DIABETES GREATLY INFLUENCES FREDERICK BANTING'S DECISION TO STUDY MEDICINE AT U.O.F.T.



AND WITH THIS TRAINING, HE SERVES IN WWI IN THE MEDICAL CORPS .

AT WAR'S END, IN LONDON, ONT., HE TEACHES AT WESTERN UNIVERSITY, BUT IN HIS LEISURE STUDIES DIABETES.



WALT MCINTYRE NORMAN DREW

— Dr. Frederick Banting



12-28



12-28

## THE GIANTS

WHILE TEACHING IN LONDON, ONT., DR. FREDERICK BANTING EVOLVES A THEORY ABOUT DIABETES .

I'M CONVINCED THAT CERTAIN CELLS IN THE PANCREAS, CALLED ISLANDS OF LANGERHANS, EXcrete A HORMONE WHICH ACTS ON THE SUGAR IN OUR BODY .

WALT MCINTYRE NORMAN DREW



BUT THE CELLS ARE SO SMALL, THEY'RE IMPOSSIBLE TO CUT OUT. HOW CAN I OBTAIN A SAMPLE TO TEST MY THEORY ?

12-29



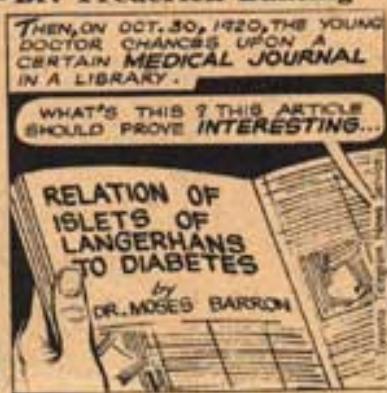
— Dr. Frederick Banting

THEN, ON OCT. 30, 1920, THE YOUNG DOCTOR CHANCES UPON A CERTAIN MEDICAL JOURNAL IN A LIBRARY .

WHAT'S THIS ? THIS ARTICLE SHOULD PROVE INTERESTING . . .

RELATION OF ISLETS OF LANGERHANS TO DIABETES

by DR. MOSES BARRON



# THE GIANTS - - WEEK OF JAN. 3-8, 1966

## THE GIANTS



— Dr. Frederick Banting

## THE GIANTS



— Dr. Frederick Banting

## THE GIANTS



— Dr. Frederick Banting

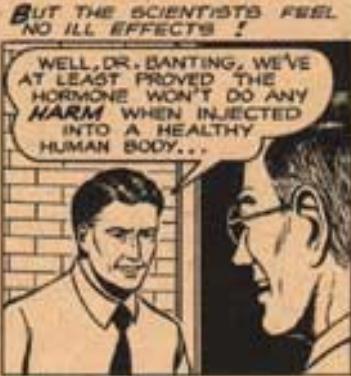
## THE GIANTS



## — Dr. Frederick Banting



## THE GIANTS



## — Dr. Frederick Banting



## THE GIANTS



## — Dr. Frederick Banting



### THE GIANTS

ON OCT. 30, 1920, IN A LONDON LIBRARY, DR. FREDERICK BANTING STUMBLIES UPON VITAL INFORMATION...



...BUT THE ISLANDS OF LANGERHANS WILL REMAIN INTACT!

12-30  
THAT'S IT! THE HORMONE WOULD BE ISOLATED, EASY TO EXTRACT!



### —Dr. Frederick Banting

NOW I CAN OBTAIN SAMPLES OF THAT HORMONE, TO TEST...

BUT... SOMEWHERE, I MUST FIND A PLACE TO CONDUCT MY EXPERIMENTS.

WALT MCMASTER  
NORMAN DREW



### THE GIANTS

IN NOVEMBER, 1920, DR. FREDERICK BANTING GOES TO PROF. J.J.R. MACLEOD IN TORONTO, TO ASK HIS AID IN HIS DIABETES EXPERIMENT.



WALT MCMASTER  
NORMAN DREW

BUT THE HEAD PHYSIOLOGIST OF THE UNIVERSITY OF TORONTO IS UNIMPRESSED.



THEY FAILED! WHAT MAKES YOU SO SURE YOU'LL SUCCEED?



### THE GIANTS

SKEPTICALLY, PROF. J.J.R. MACLEOD AGREES TO LET DR. FREDERICK BANTING USE LIMITED FACILITIES AT U. OF T. FOR HIS DIABETES RESEARCH.



PROF. MACLEOD, I WAS RATHER HOPING... UH... YOU MIGHT BE WILLING TO ASSIST ME IN THIS EXPERIMENT?



WHAT, I? SORRY, MY BOY, BUT I'LL BE OFF ON A VACATION TO SCOTLAND.



GOOD DAY, DR. BANTING!

WALT MCMASTER  
NORMAN DREW

NEXT WEEK: BANTING GETS AN ASSISTANT.

## THE GIANTS

DR. FREDERICK BANTING EVER STRIVES TO SEE THAT CHARLES BEST SHARES EQUAL HONORS FOR THE DISCOVERY OF INSULIN ...



AND WHEN BANTING WINS THE NOBEL PRIZE THAT YEAR, HE IS INFURIATED THAT BEST IS NOT ALSO NAMED!

THEY'VE GIVEN THE PRIZE TO MYSELF AND PROFESSOR MACLEOD... BUT IT WAS BEST WHO WORKED WITH ME!

WALT MCMASTER NORMAN DREW

PUBLICLY, BANTING CREDITS BEST AS THE TRUE CO-DISCOVERER OF INSULIN...

I WILL SHARE **EQUALLY** WITH MR. BEST THE \$20,000 I SHALL RECEIVE WITH THE NOBEL PRIZE.



J.J.R. MACLEOD, HEAD PHYSIOLOGIST AT THE UOFT, FOLLOWS BANTING'S EXAMPLE:

AND I WILL SHARE MY \$20,000 WITH DR. J.B. COLLIP, WHO PERFECTED THE PURIFICATION OF INSULIN...



## THE GIANTS

AFTER INSULIN, DR. FREDERICK BANTING MOVES ON TO OTHER PROJECTS...



...IN 1927 LEADING A RESEARCH TEAM WHICH CONQUERS SILICOSIS, A LUNG-DISEASE WHICH HAS KILLED MANY A MINER!

IN WORLD WAR II, HE'S IN THE CANADIAN ARMY, AND DEVELOPS A FLYING SUIT TO END PILOT BLACKOUTS.

THE RAF HAS INSTRUCTED ME TO RUSH THIS SUIT TO ENGLAND FOR TESTS.



BUT AS HE BOARDS A PLANE FOR ENGLAND ON FEB. 21, 1941, AT MONTREAL, HE CONFIDES TO DR. J.B. COLLIP,



## THE GIANTS

THE PLANE CARRYING DR. FREDERICK BANTING TO ENGLAND MAKES A STOP AT GANDER, NFLO., AND HERE BANTING AGAIN EXPRESSES A FEAR:

A PREMONITION IS HAUNTING ME... THAT I SHOULDN'T TAKE THIS FLIGHT!



AND JUST 12 MINUTES AFTER THIS AIRPLANE TAKES OFF, WITH BANTING ABOARD...

CAN'T CONTROL IT! HAVE TO FORCE LAND!



AND THE PLANE CRASHES!

SIR FREDERICK BANTING... IS DEAD!



...AND NO ONE MOURNED THIS GREAT CANADIAN'S DEATH MORE THAN THE THOUSANDS OF DIABETICS THE WORLD OVER WHO WERE ALIVE THAT DAY ONLY BECAUSE OF BANTING'S DISCOVERY OF INSULIN!

NEXT WEEK:  
THE BIRDMAN OF CANADA

# THE GIANTS -- WEEK OF JAN. 10-15, 1966

## THE GIANTS

AS THOUGH BY SOME MIRACLE, CONTINUOUS INJECTIONS OF DR. FREDERICK BANTING'S ISLETTIN RESTORES LEONARD THOMPSON, PREVIOUSLY DYING OF DIABETES, TO RADIANT HEALTH !

EAT HEARTY LAD. THE ISLETTIN WILL BURN THE SUGAR TO FEED AND REBUILD YOUR BODY.



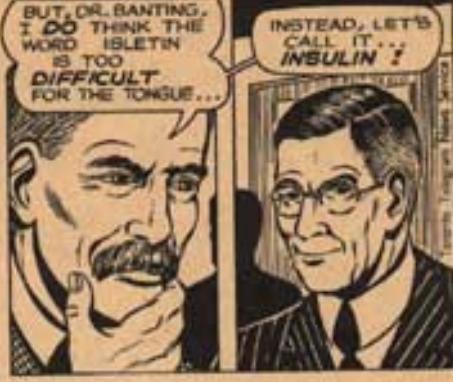
AND LEARNING OF THIS SUCCESS, PROF. J. J. R. MACLEOD AT THE U. OF T., ONCE LUKEWARM TO THE BANTING AND BEST EXPERIMENT, NOW SAYS . . .



— Dr. Frederick Banting

BUT, DR. BANTING, I DO THINK THE WORD ISLETTIN IS TOO DIFFICULT FOR THE TONGUE . . .

INSTEAD, LET'S CALL IT 'INSULIN' ?



## THE GIANTS

ONCE INSULIN'S EFFECTIVENESS IS PROVEN ON LEONARD THOMPSON, CHARLES BEST IS CHOSEN TO MASS PRODUCE THE HORMONE AT U. OF T.'S CONNAUGHT LABORATORY .



J. B. COLLIP, A BIOCHEMIST FROM UNIVERSITY OF ALBERTA, IS ENLISTED TO DEVELOP A PURIFICATION PROCESS FOR INSULIN .



AN ASSOCIATE, DR. JOSEPH GILCHRIST, PROVIDES AN ANSWER .



I HAVE NOTHING TO LOSE ! IF I DON'T GET INJECTIONS OF YOUR INSULIN, I'LL DIE SOON ANYWAY . . . FOR I HAVE DIABETES !



## THE GIANTS

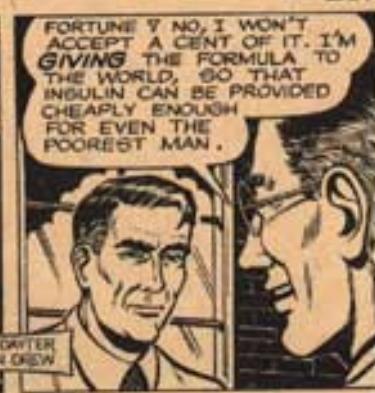
EXHAUSTIVE TESTS ARE MADE ON DR. JOSEPH GILCHRIST UNTIL . . .



YOU REALIZE, DR. BANTING, THIS INSULIN IS BOUND TO BRING YOU FAME AND FORTUNE !



FORTUNE ? NO, I WON'T ACCEPT A CENT OF IT. I'M GIVING THE FORMULA TO THE WORLD, SO THAT INSULIN CAN BE PROVIDED CHEAPLY ENOUGH FOR EVEN THE POOREST MAN .



AS FOR THE FAME . . . WELL, THAT I MUST SHARE WITH MY ASSOCIATE, MR. BEST .



... BUT FATE IS TO ROB CHARLES BEST OF MUCH OF THE FAME HE DESERVES .

— Dr. Frederick Banting