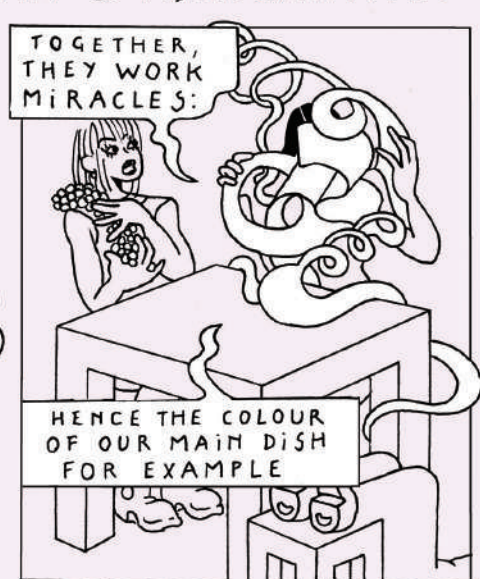




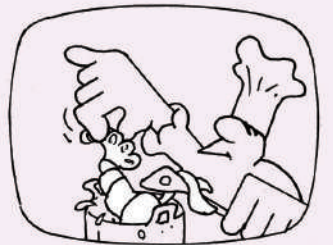
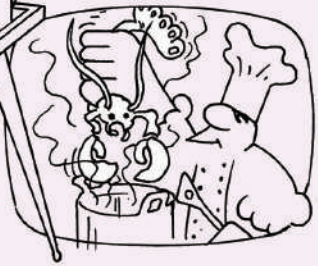
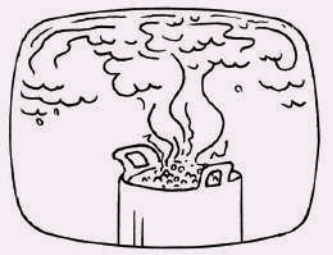
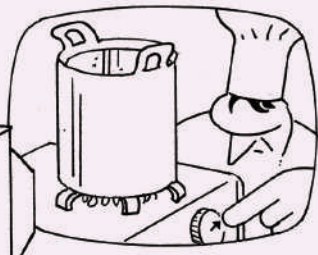
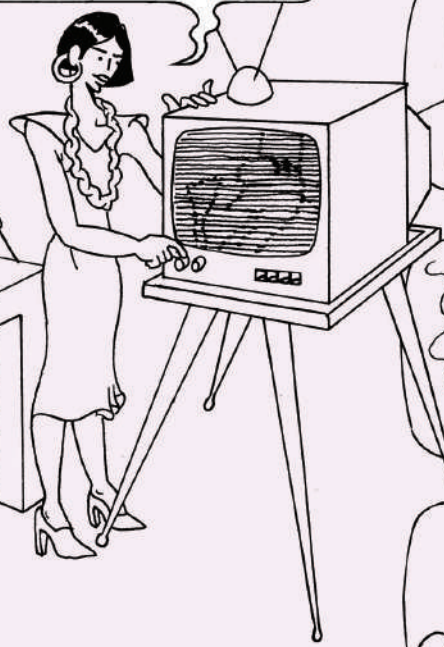
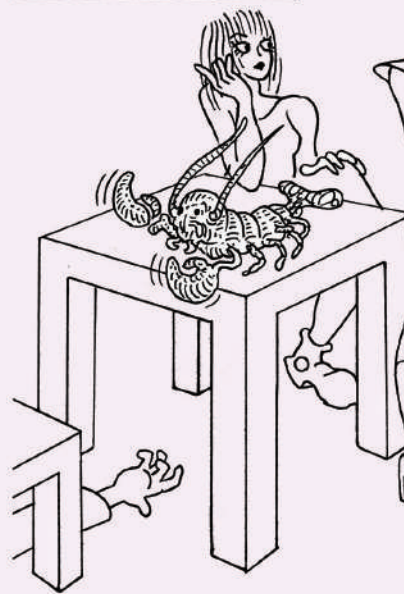
TWIST AND SHIFT

CRUSTACYANIN & ASTAXANTHIN



LET ME SHOW YOU SOMETHING INTRIGUING AND AMUSING, BUT CRUEL...

TAKE A LOOK AT THIS BRIEF TV REPORT...



THE LOBSTER'S BECOME RED!



LET US SIMPLIFY HOW WE REPRESENT CRUSTACYANIN...

GOOD IDEA!

IN HOMARUS GAMMARUS EIGHT PAIRS OF CRUSTACYANIN

THE DIMERS

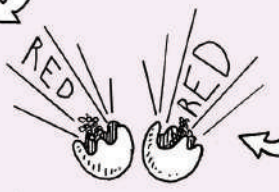
JOIN TO FORM A LARGER COMPLEX



WHEN YOU POP A LOBSTER INTO BOILING WATER

EACH DIMER IS DENATURED AND STRETCHES OUT

AS A RESULT, THEIR ASTAXANTHINS STRETCH OUT TOO, AND THEIR OPTICAL PROPERTIES ARE MODIFIED



OUR MAIN DISH THUS BECOMES WHAT MAY HAVE BEEN THE LOBSTER'S ORIGINAL COLOUR

THE ASTAXANTHINS RELAX

HOWEVER THE LOBSTER...

IS SORT OF DEAD!

DEAD?

DEAD?

AH YES!

WELL... BON APPÉTIT!

WAITER!

A WHITE HUMAGNE PLEASE!

NICE & COOL!

