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```
In [5]:
def searching(file, search string):
     search_string = search_string.lower()
     for f in file.infolist():
         #if(f.filename=='a-0.png'):
              continue
         #display(f.filename)
         mvfile=file.open(f.filename)
         im=Image.open(myfile)
         text=pytesseract.image to string(im.convert('L'))
         if search string in text.lower():
             cv img = cv.imdecode(np.frombuffer(file.read(f.filename), np.uin
t8), 1)
             cv_img2=cv.cvtColor(cv_img,cv.COLOR_RGB2BGR)
             gray = cv.cvtColor(cv_img, cv.COLOR_BGR2GRAY)
             faces = face_cascade.detectMultiScale(cv_img2,scaleFactor=1.2,mi
nNeighbors=7, minSize=(50,50), maxSize=(350,350))
             pil img=im
             drawing=ImageDraw.Draw(pil img)
             if(len(faces)>0):
                 rec=faces.tolist()
             else:
                 rec=[]
             lst = []
             for r in rec:
                 cropped = pil_img.crop((r[0],r[1],r[0]+r[2],r[1]+r[3]))
                 opencvImage = cv.cvtColor(np.array(cropped), cv.COLOR_RGB2BG
R)
                 #eyes = eyes cascade.detectMultiScale(opencvImage)
                 #if(len(eyes)>0):
                 basewidth = 100
                 wpercent = (basewidth/float(cropped.size[0]))
                 hsize = int((float(cropped.size[1])*float(wpercent)))
                 cropped = cropped.resize((basewidth,hsize), Image.ANTIALIAS)
                 lst.append(cropped)
             length = len(lst)
             if (length>0):
                 contact sheet=Image.new('RGB',(400,100 if 100 > (length//4)*
100 else (length//4)*100 ))
                 x=0
                 y=0
                 print("Result found in file "+f.filename)
                 for img in lst:
                     contact_sheet.paste(img, (x, y) )
                     if x+img.width == contact sheet.width:
                         y=y+img.height
                     else:
                         x=x+img.width
                 display(contact_sheet)
             else:
                 print("Result found in file"+f.filename)
                 print("But there were no faces in that file!")
```

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## In [6]: searching(file2,search\_string2)

Result found in file a-0.png



Result found in file a-1.png





Result found in filea-10.png But there were no faces in that file! Result found in file a-13.png



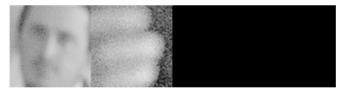
Result found in file a-2.png







Result found in file a-3.png



Result found in file a-5.png



Result found in file a-8.png



Result found in filea-9.png But there were no faces in that file!

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