Allowing **throw T** as a synonym for **throw T();**

If \( T \) is a type, I propose to allow

```
throw T;
```

as an abbreviation for

```
throw T();
```

with exactly the same meaning. My rationale:

— I forget the parentheses all the time and have seen others do the same.
— The **new** and **sizeof** operators allow the same abbreviation.

One new grammar rule is needed to implement this change:

```
throw-expression:
type-id
```

```
throw type-id
```

I believe this is unambiguous because of the low precedence of throw-expressions.

In addition, the following text would have to be added after Paragraph 1 of [except.throw]:

“**If throw** is followed by a **type-id**, the implementation creates and throws an object of the specified type. If the type is a class with a default constructor ([class.ctor]), that constructor will be called; otherwise the result is the default value given to a static object of the specified type.”

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